

20000605.qrp v01_n843.qrl.20000605

Date: Mon, 5 Jun 2000 19:03:08 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1843

QRP-L Digest 1843

Topics covered in this issue include:

- 1) [71872] Re: Solar Panel Question
by "JC Smith" <jc-smith@worldnet.att.net>
- 2) [71873] Re: Trail/Traveler Straight Key?
by "JC Smith" <jc-smith@worldnet.att.net>
- 3) [71874] Swap Handbooks
by "Francis Callahan" <colcal@srv.net>
- 4) [71875] Test please delete
by "Donny Sirait" <dsirait@centrin.net.id>
- 5) [71876] SMK-1 #133 Rises From the Ashes!
by Craig LaBarge <wb3gck@yahoo.com>
- 6) [71877] Re: Trail/Traveler Straight Key?
by W1R0@aol.com
- 7) [71878] Re: "Old Man Copper"
by "James Johnson" <kc5j pz@eudoramail.com>
- 8) [71879] Upgrades!
by wb2vuo@juno.com
- 9) [71880] Re: QRP BACKPACKING RIG
by Phil Wheeler <w7ox@earthlink.net>
- 10) [71881] Re: QRP BACKPACKING RIG
by Phil Wheeler <w7ox@earthlink.net>
- 11) [71882] Elmer 100: Oscillators
by "Donny Sirait" <dsirait@centrin.net.id>
- 12) [71883] Re: QRP BACKPACKING RIG
by Phil Wheeler <w7ox@earthlink.net>
- 13) [71884] Re: UTC Clocks Again: I gotta pay for a plug-in?
by S LYON <sslyon@worldnet.att.net>
- 14) [71885] Re: "Old Man Copper"
by Wb8siw@aol.com
- 15) [71886] Re: "Old Man Copper"
by Nv4t@aol.com
- 16) [71887] QRP BACKPACKING RIG, Visual SWR indicator, Crystal info
by wb5qyt@eFortress.com
- 17) [71888] SMK-1 Easy One Watt Mod
by NB6M@aol.com
- 18) [71889] Easy SMK-1 One Watt Mod
by NB6M@aol.com
- 19) [71890] Re: HB: SPICE models for transformers?

- by "Leon Heller" <leon_heller@hotmail.com>
- 20) [71891] Re: TAC condx
by w0yse@juno.com
- 21) [71892] Re: QRP BACKPACKING RIG
by John AE5X <ae5x@juno.com>
- 22) [71893] Re: Trail/Traveler Straight Key?
by George F Franklin <w0av@juno.com>
- 23) [71894] Re: Illegal Operators
by Ray Colbert <af852@rgfn.epcc.edu>
- 24) [71895] Re: DSW-20 is SOLD!!!
by "Doug Person" <w4dxv@attglobal.net>
- 25) [71896] BATTERY INFO
by ARDUJENSKI@aol.com
- 26) [71897] Re: HB: SPICE models for transformers?
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 27) [71898] Easy One Watt Mod for SMK-1
by NB6M@aol.com
- 28) [71899] Pictures of the Magnetosphere now available
by "Robert Follett" <bfollett@email.msn.com>
- 29) [71900] Re: Illegal Operators
by Steve Yates <aa5tb@yahoo.com>
- 30) [71901] Wanted: Fall(Autumn) 1999 QRPp copy (or issue).
by Brien Pepperdine <pepperb@gov.on.ca>
- 31) [71902] Re: HB: SPICE models for transformers?
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 32) [71903] New & better antenna
by Jim Hale <kj5tf@yahoo.com>
- 33) [71904] Re: Trail/Traveler Straight Key?
by Vance Huntsinger <vhuntsinger@iwiw.net>
- 34) [71905] RE: Easy One Watt Mod for SMK-1
by NB6M@aol.com
- 35) [71906] Riley Hollingsworth email address
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 36) [71907] Re: HB: SPICE models for transformers?
by Stephen Trier <sct@po.cwru.edu>
- 37) [71908] Trade:40-9er NorCal kit/Extra PCB for SMK1; possible sale
by Allan G Taylor <k7gt@qsl.net>
- 38) [71909] Kit:NEW KIT FROM THE AZ ScQRPions
by Jerry Haigwood <w5jh@swlink.net>
- 39) [71910] 50th State for WAS
by Dean W Manley <kh6b@juno.com>
- 40) [71911] Re: IC706/FT100/DX70TH current?
by Dennis Terribile/WR4i <wr4i@mindspring.com>
- 41) [71912] SOME BATTERY INFO
by ARDUJENSKI@aol.com
- 42) [71913] Re: Illegal Operators
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
- 43) [71914] Re: IC706/FT100/DX70TH current?

by "JC Smith" <jc-smith@worldnet.att.net>
44) [71915] RE: Illegal Operators
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
45) [71916] Re: Illegal Operators
by "Art Neilson, WH7N" <art@pilikia.hi.net>
46) [71917] Battery Power...."K2"...How Long..?
by "Andy GM0NWI" <Gm0nwi@tesco.net>
47) [71918] Re: Trade:40-9er NorCal kit/Extra PCB for SMK1; possible sale
by Allan G Taylor <k7gt@qsl.net>
48) [71919] QRP Rules! (IAQRP Hamboree/State QRP Convention Recap; VeryLong)
by "John Burnley" <burnleyia@home.com>
49) [71920] Re: Unusual 30m Beacon Information
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
50) [71921] Re: Illegal Operators
by "Gary Lee Phillips" <ka9nzi@arrl.net>
51) [71922] Alaskan QRP
by "Gary Lee Phillips" <ka9nzi@arrl.net>
52) [71923] QRP Weekend: Gary Diana, N2JGU visits West Coast
by "Doug Hendricks" <ki6ds@hotmail.com>
53) [71924] QRP Weekend: Gary Diana, N2JGU visits West Coast
by "Doug Hendricks" <ki6ds@hotmail.com>
54) [71925] New rig
by "Mugleston, Brad" <brad.mugleston@gwl.com>
55) [71926] SMK-1 Easy One Watt Mod Now on NorCal Web Page
by NB6M@aol.com
56) [71927] Re: IC706/FT100/DX70TH current?
by W1R0@aol.com
57) [71928] looking for
by "Mugleston, Brad" <brad.mugleston@gwl.com>
58) [71929] RE: Illegal Operators
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
59) [71930] Swap/trade palomar meter
by "Francis Callahan" <colcal@srv.net>
60) [71931] Swap/Trade Palomar meter
by "Francis Callahan" <colcal@srv.net>
61) [71932] FS: Heathkit Tunnel Dipper HM-10A
by Pat Byers <pbyers@rttinc.com>
62) [71933] Where to get started
by "S. Bryan Williams" <sbw1@enter.net>
63) [71934] RE: IC706/FT100/DX70TH current?
by Andreas Junge <andreas@OpenGrid.Com>
64) [71935] Need Power cord for 403B
by "Randall" <Firefox@Southwind.net>
65) [71936] Index QRP-Plus available
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
66) [71937] Re: Where to get started
by "Mike Yetsko" <myetsko@insydesw.com>
67) [71938] Before you yell about interference

by "Charles Mabbott" <crmabbott@mediaone.net>
68) [71939] Re: Where to get started
by "Steve Thompson" <steve@xcvr.com>
69) [71940] Re: New rig for portable operation
by Curt Milton <wb8yyy@yahoo.com>
70) [71941] MI QRP Net
by "Edward A Kwik jr" <eakwikjr@hti.com>
71) [71942] Re: Where to get started
by "Rod, N0RC" <n0rc@qsl.net>
72) [71943] Re: Trail/Traveler Straight Key?
by "ElectronicsUSA.com" <wpc@west.net>
73) [71944] Re: Where to get started
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
74) [71945] DK9SO MAST IN FIELD
by ARDUJENSKI@aol.com
75) [71946] RE: New rig for portable operation
by "Mugleston, Brad" <brad.mugleston@gwl.com>
76) [71947] Re: DK9SO MAST IN FIELD
by Phil Wheeler <w7ox@earthlink.net>
77) [71948] Re: New rig for portable operation
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
78) [71949] Re: DK9SO MAST IN FIELD
by Bruce Grubbs <n7ceeqrp@earthlink.net>
79) [71950] "Where to get Started" or What kit to build.
by "Doug Hendricks" <ki6ds@hotmail.com>
80) [71951] Re: SOME BATTERY INFO
by wd3p@juno.com
81) [71952] Re: SOME BATTERY INFO
by Phil Wheeler <w7ox@earthlink.net>
82) [71953] Re: "Where to get Started" or What kit to build.
by Phil Wheeler <w7ox@earthlink.net>
83) [71954] propagation
by Anthony Felino <anthony@pacinfosb.com>
84) [71955] F.S.(Too many QRP radios)
by ADRAMIS@aol.com

Date: Sun, 4 Jun 2000 16:19:36 -0700
From: "JC Smith" <jc-smith@worldnet.att.net>
To: <brian@iquest.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [71872] Re: Solar Panel Question
Message-ID: <002701bfce7b\$5c948600\$9147480c@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Brian,

It depends on their voltage. If they are nominal 12 V modules then they go in parallel with a 12 V battery. If they don't put out at least 15 V under load you will have to connect them in series to charge a 12 V battery and your current (which is what's doing the charging) will be limited to the current of the lowest output module. Hopefully they will put out over 16 V.

73 - JC,k0hps@amsat.org

----- Original Message -----

From: Brian <brian@iquest.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Sunday, June 04, 2000 6:19 AM

Subject: Solar Panel Question

> I just bought a couple of panels and was wondering....do I connect
> these in parallel to the battery for charging?
>
> Thanks
>
>
> Alan Kaul wrote:
>
> > If you take a rechargeable battery on your backpacking trip, then invest
in
> > an inexpensive (40-60ma) solar panel (\$20-50) and velchro it atop your
> > backpack so while you hike during the daytime, you can charge your
battery
> > pack for plenty of operating time at night. The solar panel will add
less
> > than a pound to your carrying weight. A simple power diode in the
circuit
> > keeps the charging voltage moving in one direction only so if you
encounter
> > clouds or other conditions which drop the voltage output below the
battery
>
> --
> =====
> KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
> 39.558 N 86.095 W Johnson Co., Indiana
> GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
> Proud to be a member of the American Radio Relay League
> FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
> =====
>

Date: Sun, 4 Jun 2000 16:34:44 -0700
From: "JC Smith" <jc-smith@worldnet.att.net>
To: <JCoote@ci.arcadia.ca.us>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [71873] Re: Trail/Traveler Straight Key?
Message-ID: <004101bfce7d\$799c8d40\$9147480c@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Check out the Sox Key at: <http://www.morsex.com/soxman/> and while you are there, look at the many other keys and paddles available. Neat site and Marshall is a good guy to do business with.

There have also been some neat S. African military special forces keys available surplus that are just a little larger than the Sox Key, but I don't know where you would find one. I bought mine at a NorCal QRP Club meeting a couple years ago.

72 - JC,k0hps@amsat.org

----- Original Message -----

From: Coote, Jay <JCoote@ci.arcadia.ca.us>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Sunday, June 04, 2000 3:10 PM
Subject: Trail/Traveler Straight Key?

> I am looking for a reliable, small straight key suitable for pack or
> travel...besides just shrunken-down versions of a standard key. I wonder
> if there are some good small keys out there?
> Thanks,
> Jay
> W6CJ

Date: Sun, 4 Jun 2000 17:52:03 -0600
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.edu>
Subject: [71874] Swap Handbooks
Message-ID: <000501bfce7f\$e366d940\$96df070c@callahan>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looking to swap ARRL handbooks for the years 1975 and 1978 for a 2 or more
position coaxial switch two many QRP rigs not enough connectors 72 Cal KF7ET
colcal@srv.net or 208 357 7431

Date: Mon, 5 Jun 2000 06:55:09 +0700
From: "Donny Sirait" <dsirait@centrin.net.id>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [71875] Test please delete
Message-ID: <000501bfce80\$d0c57340\$cfee92ca@donnysirait>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry folks for the bandwidth, I'm having some problems posting
72 de YB1BOD

Date: Sun, 4 Jun 2000 17:21:23 -0700 (PDT)
From: Craig LaBarge <wb3gck@yahoo.com>
To: qrp-l-mailing-list <qrp-l@lehigh.edu>
Subject: [71876] SMK-1 #133 Rises From the Ashes!
Message-ID: <20000605002123.28246.qmail@web701.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

As you may recall, I smoked the audio amp chip in my
SMK-1 a few weeks ago while attempting to troubleshoot
an audio problem. Tonight, I'm glad to report, that I
soldered a new chip in, powered it up, and heard the
sweet sounds of CW in the headphones.

The SMK-1 was intended as a learning tool and it
certainly was that for me. Not only did I get a lot
of practice soldering surface mount components, but I
also gained some experience removing them as well.
Along with a surface mount TiCK keyer I had previously
built, I now have two successful surface mount kits

under my belt. I'm ready for the NorCal 10 meter kit now!

Thanks to Dave Fifield and the good folks at NorCal for providing this educational opportunity for me. Thanks also to the NJQRP folks for the neat enclosure. That was a lot of fun as well.

73, Craig WB3GCK

Do You Yahoo!?
Yahoo! Photos -- now, 100 FREE prints!
<http://photos.yahoo.com>

Date: Sun, 4 Jun 2000 20:44:32 EDT
From: W1R0@aol.com
To: JCoote@ci.arcadia.ca.us, qrp-1@lehigh.edu
Subject: [71877] Re: Trail/Traveler Straight Key?
Message-ID: <9e.55733a5.266c51f0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I use an old military key that clips on my leg above the knee. It isn't small, infact it is the J-37 straight key mounted on a hinged clamp. The clamp looks like some of the 2 inch metal bands used to hold your pants against your leg so it doesn't get tangled in the bicycle chain. All put together the military called the J-45 Code Key Set. When not using it the key folds over on the hinge to go inside the clamp. Wrap the cable around it and throw it in your backpack. Pictures are availabe on the Telegraphic Web site I believe.
Good Luck
Jim-W1R0/7

Date: Sun, 04 Jun 2000 19:51:04 -0500
From: "James Johnson" <kc5jpbz@eudoramail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [71878] Re: "Old Man Copper"
Message-ID: <OFAJBANBOPPLBAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

--

On Sun, 04 Jun 2000 14:36:39 Randy & Cara Randall wrote:

>Ramsey Electronics got busted for selling
>wireless mikes and FM stereo broadcasters that were easily modified to exceed
>part 15 power limits.

Actually they are prohibited from selling the smallest size transmitters because the US government thinks that international spies use their products...Is the US government dumb or what.

"Instead of sending the Company "hate mail," why don't we e-mail Riley Hollingsworth and the FCC with this valuable information. I'd much rather send a couple of US Marshalls to his door with a greeting!

>>

>> LOL.

>>

>> 73, Jim WB8SIW

Do you have Riley Hollingsworth's address? I would love to complain about an illegal TV station in Dallas, Texas. I do not think that the FCC cares about illegal activities.

James Johnson

Arlington, Texas

Join 18 million Eudora users by signing up for a free Eudora Web-Mail account at <http://www.eudoramail.com>

Date: Sun, 4 Jun 2000 21:05:55 -0400

From: wb2vuo@juno.com

To: qrp-l@lehigh.edu

Subject: [71879] Upgrades!

Message-ID: <20000604.210557.-71757.0.wb2vuo@juno.com>

MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Two new Generals here in the Great Bergen Swamp!

First, my wife Anne, WB1GVL who has been a Tech since 1978 and also our neighbor, Darla, KA2GLP about a mile back into the Swamp, a Tech from 1984.

Now if I can get them on the air, other than on 2 Meters!

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
VP & FD'00 Chairman, Brockport Amateur Radio Klub & SOC # 119
My night light runs more power than my Rig!!!
Replies off-list to: wb2vuo@arrl.net

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sun, 04 Jun 2000 18:09:57 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: w4dxv@attglobal.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [71880] Re: QRP BACKPACKING RIG
Message-ID: <393AFDE5.43527219@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doug Person wrote:

>
> Although it can be a bit heavier, I'd go for a small gel cell. Vastly more
> power available than alkaline batteries. It it can be recharged many times.
> I got one from Tower Hobbies with a charger for around \$20. It is a little
> more weight but you will get so much more operating time. I have run my
> SST-20 for hours and hours and hardly put a dent in the power. I have a 4
> ah. I thin there are smaller ones - perhaps 2.7 AH?
>

I use a pack (from an old ICOM HT) of 10 NiMH AA cells, which I can

recharge (use the same in my DigiCam). They seem to last well and I always carry an extra set, just in case.

Phil

Date: Sun, 04 Jun 2000 18:14:00 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: alan.kaul@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [71881] Re: QRP BACKPACKING RIG
Message-ID: <393AFED8.7FB10F6A@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alan Kaul wrote:

>
> I'd have no hesitation taking the SST-20. I recently took one to India and
> left it with a friend (VU2RNM) and by the time you read this, he should be
> on the air with it. Don't expect to work him too easily however, he's only
> using low-altitude, wire antennas. I also took him NiCad battery pack and a
> solar charger (60maH) because where he lives there is plenty of sunshine but
> only a few hours each day of "main's power."
>
> If you take a rechargeable battery on your backpacking trip, then invest in
> an inexpensive (40-60ma) solar panel (\$20-50) and velchro it atop your
> backpack so while you hike during the daytime, you can charge your battery
> pack for plenty of operating time at night. The solar panel will add less
> than a pound to your carrying weight. A simple power diode in the circuit
> keeps the charging voltage moving in one direction only so if you encounter
> clouds or other conditions which drop the voltage output below the battery
> voltage, you won't have to worry about bleedback. Good luck and happy
> trails! 72/73 de alan
>

Good info, Alan. Just now I use a DSW-20 (abt 2.5 W) and NiMH batteries (10), with a Gusher 20-20. By Fall it will be a K1 and a different antenna. For trips I take I can recharge them from my car or lines. For India or Nepal, solar cells would be much better/necessary!

Phil

Phil

Date: Mon, 5 Jun 2000 08:26:22 +0700
From: "Donny Sirait" <dsirait@centrin.net.id>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [71882] Elmer 100: Oscillators
Message-ID: <001701bfce8d\$47901a00\$cfee92ca@donnysirait>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear folks,

Perhaps this is really a newbie question but I'm anyway.

We know there are various kind of analog oscillators such as
Hartley, Colpitt (VFO), Pierce (XO) and others.

Question is,
What is the real difference between them and what justify
us in using one type of osc rather than the other in a circuit.

Please answer to the list since I think many will like to know.

Thank you for sharing your expertise.

Vy 72 de YB1B0D
Donny Sirait
Bekasi Indonesia

Date: Sun, 04 Jun 2000 18:17:12 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [71883] Re: QRP BACKPACKING RIG
Message-ID: <393AFF98.1C9189AD@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ARDUJENSKI@aol.com wrote:

>

> Finally plan to hit the trails seriously this summer with the goal of QRP
> during both day and overnite trips (40M or 20M depending on season). I want
> toget one small (pocket size) and light as possible but still effective. It
> appears the SST may be a good choice. Those that use the SST have you found
> the AA or lithium 9v better choice. Comments or recommendations? alan kb7mbi

I use NiMH rechargables with my DSW-20 (not now available). The SST-20 should be even more frugal on battery power (no digital stuff), but does not cover as much freq range. My choice of NiMH was easy, since I also use them in my Olympus digicam.

Phil

Date: Sun, 04 Jun 2000 21:28:31 -0400
From: S LYON <sslyon@worldnet.att.net>
To: bfollett@email.msn.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [71884] Re: UTC Clocks Again: I gotta pay for a plug-in?
Message-ID: <393B023E.9D806E71@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

that's what it says when I try to download. Any tips
=s=

Robert Follett wrote:

>
> Gang:
>
> Having re-hashed all the "atomic" clocks that display UTC a few times, I
> know this is probably been beaten to death -- BUT:
>
--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Sun, 4 Jun 2000 21:29:13 EDT
From: Wb8siw@aol.com
To: kc5j pz@eudoramail.com, qrp-1@lehigh.edu

Subject: [71885] Re: "Old Man Copper"
Message-ID: <8.5e1e3d8.266c5c69@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 06/04/2000 8:53:08 PM Eastern Daylight Time,
kc5jpbz@eudoramail.com writes:

<< Do you have Riley Hollingsworth's address? I would love to complain
about an illegal TV station in Dallas, Texas. I do not think that the FCC
cares about illegal activities.

James Johnson >>

Hi James:

Well, like so many things in life, things aren't as simple as they appear.
>From what I've heard, the FCC Field Offices are so strapped they haven't the
staff nor the financial resources to take any serious enforcement actions
except in those cases which pose an immediate threat to life, safety, or
perhaps a significant interference problem.

On the subject of the TV station: Many of the newer "breed" of broadcast
station owners are well aware of the lax enforcement, and as a result, many,
many stations are operated in such a manner that they could never pass an FCC
inspection. In recent years, I have seen a wide variety of stations operating
illegally. Some of these violations are so gross and blatant that one is
silenced by simple disbelief.

The reality of today's broadcasting environment is simple; large groups of
stations are owned by speculative investors, such as investment bankers, etc.
These individuals have little or no concern for the public interest nor do
they care about the quality of the product. I suspect that the lack of
funding for enforcement is a direct result of both Congress and the Executive
Branch of government acting in the best interest of these owners.

You should complain about the TV station, but don't expect any results,
unless of course you can afford to purchase a Congressman or two! LOL.

73, Jim WB8SIW

Date: Sun, 4 Jun 2000 21:32:49 EDT

From: Nv4t@aol.com
To: kc5jpbz@eudoramail.com, qrp-1@lehigh.edu
Subject: [71886] Re: "Old Man Copper"
Message-ID: <13.62503e0.266c5d41@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Sounds like they thought 007 was a customer!

Not So Secret Agent, nv4t

Date: Sat, 03 Jun 2000 12:52:32 -0600
From: wb5qyt@eFortress.com
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [71887] QRP BACKPACKING RIG, Visual SWR indicator, Crystal info
Message-ID: <393953F0.661@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

For backpacking I picked up a 2 amp hr gel cell for about 10 bux. It was used, but still works fb. To charge it I take along a solar collector that I built. I found these portable yard lights at a garage sale. The batteries were shot, but the solar panels all worked. I ended up hooking up 3 of them. I put a switch on them so I can choose whether I want 12v or 18v. Even put a 15v meter in the circuit to keep an eye on the battery voltage. All of this was mounted inside a 3 ring binder. Hey, it is a little big and rustic but the price was right!

As far as the rig goes...guess the SST wins. Very small rig with big performance. Sometimes if I want to cut down on the "Gorp", I will take the DSW...whata rig! The new MFJ CUB may be a good backpackin rig too. Just a bit bigger than the SST.

Just finished the SVSI(scQRPion Visual SWR Indicator) and Im wondering what took me so long to build it. This is going to be a must to have when backpacking, along with my new mini tuner that I just built.

For info on this neat device see
<http://www.extremezone.com/~nk7m/n7veswr.htm>

Thanks all for the info on the xtal co.'s...Will call Jan and International manana and see what they say.

Hope the condx are better for the next contest.
I did manage to work N3EPA and WA7LNW, so didnt get skunked!

72, Tom WB5QYT...."Have spud will travel!"

Date: Sun, 4 Jun 2000 22:51:22 EDT
From: NB6M@aol.com
To: qrp-1@lehigh.edu
Subject: [71888] SMK-1 Easy One Watt Mod
Message-ID: <6b.522f29f.266c6faa@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,

Here is an easy to do mod for the SMK-1 that will boost your transmitter power to 1 Watt out. Your actual power out will depend on the transistor you use, but I got 850 Milliwatts out with a generic 2N3053 from Radio Shack, and 1.15 Watts out with a 2SC799 that I had in my junk box.

You need six parts to do the mod. Here they are:

.01 (could be .1 for that matter) uf disc or monolithic bypass capacitor - one
.1 uf disc or monolithic, etc (bypass cap) - one
100 ohm resistor - two
RF transistor of your choice - one
FT37-43 toroid with 5 turns # 28 (or similar gauge) - one (10 uh, roughly, RF choke)

I did the mod "ugly" style with all leaded parts, soldering the necessary leads to the pads on the board. Here is what you do:

I suggest you read all the instructions first, to get an understanding of the mod, before proceeding with the actual work.

First, remove C-22 from the board (I used two soldering irons, quick and easy)(save it)

Cut one lead of the .01 cap so as to leave about 1/4", bend a 90 degree angle about 1/8" from the end of that lead, and solder that lead to the C-22 pad closest to Q-3 on the board. Leave the other lead long for a moment.

Cut one lead of a 100 Ohm resistor so as to leave about 1/4", bend a 90

degree angle at 1/8" from the end of the short lead, and solder that lead to the ground pad of R-14.

The idea is to have the resistor standing just about straight up, maybe leaning just a little bit towards Q-3. By the way, the ground end of R-14 is the pad right at the edge of the board.

Now, using short leads on all three parts, solder the other 100 Ohm resistor between the free lead of the first 100 Ohm resistor and the free lead of the .01 Cap.

What we are doing here is providing a coupling capacitor from the output of T-1 to the base of the Final Amp we are going to install. The two 100 Ohm resistors form a divider network so as to provide about 2 Volts RF on the base of the Final Amp. The 4 Volts or so right from the output of T-1 is way too much drive for the Final Amp and output network we are using, and if we drove it with that much RF, it would overheat and probably self destruct in a short while.

So, at this point you should have a .01 from the C-22 pad closest to Q-3 to a 100 Ohm resistor, which is connected to another 100 Ohm resistor, which is connected to ground.

Cut the Base lead of your RF transistor to about 1/2", and solder it to the junction of the two 100 Ohm resistors.

Cut the Emitter lead of your RF transistor to about 3/8", and solder it to the ground pad of R-13. Again, the ground pad is the end right on the edge of the board.

Wind 5 turns of #28 (you could use small insulated wire for this if you don't like scraping the ends of magnet wire) on the FT37-43 core.

(This is meant to be about a 10 uh RF Choke. If you don't have an FT37-43, you could use any combination of core and number of turns that gives you roughly that figure. Suggestions are: 35 turns # 22 on T68-2, or 43 turns # 28 on T50-2, to name two.)(or, use a 10 uh RF choke)

The RF choke for the new final amp sits right above R-15 and R-19 on the board. It should be oriented so that the toroid is at a 90 degree angle from T-1 in order to minimize coupling between the two. The two leads from the RF choke should be about 3/4" long.

Solder one lead of the of the RF choke to Pad 4 of T-1. This is just a convenient spot to pick up 12 volts. You could solder this lead to the anode of D-10 and maybe get a teeny little bit more output, but run the risk of destroying the new final RF amp if you accidentally hook up the power backwards.

Solder the other lead of the RF choke to the Collector of your RF transistor. Check the lead lengths of the two and adjust accordingly before soldering them together.

Now, the last part, the .1 uf Cap. It goes from the Collector of your RF transistor to the C-22 pad closest to the edge of the board. Check for appropriate lead length, cut the leads, and solder it in.

That is it.

As mentioned above, I got .85 watts out with a 2N3053, and 1.15 watts out with a 2SC799. Your mileage may vary, but this mod is just too easy to pass up.

I just worked this one out and tested it this afternoon, and will draw the circuit diagram using "Paint" in my windows program. If you want a copy, Email me, and I will send it ASAP.

Enjoy.

Wayne NB6M

Date: Mon, 5 Jun 2000 00:47:49 EDT
From: NB6M@aol.com
To: qrp-l@lehigh.edu
Subject: [71889] Easy SMK-1 One Watt Mod
Message-ID: <60.3be7d4d.266c8af5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,

The Schematic and the directions for the easy One Watt Mod are going on the NorCal Web Page in the SMK-1 file, and will be down-loadable from there.

In the meantime, I will send the schematic to all who email me direct for it.

Good luck with your mod, and please let me know how yours worked out with whichever RF transistor you chose to use.

72

Wayne NB6M

Date: Mon, 05 Jun 2000 00:11:57 PDT
From: "Leon Heller" <leon_heller@hotmail.com>
To: dlh1009@ritvax.isc.rit.edu, qrp-1@Lehigh.EDU
Subject: [71890] Re: HB: SPICE models for transformers?
Message-ID: <20000605071157.57414.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
>Reply-To: dlh1009@ritvax.isc.rit.edu
>I'm starting to tinker around with SPICE to simulate some circuits I'm
>working on. I find that I need to model an RF transformer with center taps
>in both the primary and secondary winding.
>
>Can anyone offer any suggestions? I get the idea on how to specify mutual
>coupling between two inductors (windings), but I'm not sure how (or if) it
>can be extended to center taps.

I think you treat it as two transformers with the windings in series.

73, Leon

--

Leon Heller, G1HSM
Tel (work): +44 1327 357824 Tel (mobile): +44 79 9098 1221
InfraRed Integrated Systems Ltd., Towcester Mill, Towcester, Northants.,
NN12 6AD, United Kingdom.
Email:leon_heller@hotmail.com
Web page: <http://www.geocities.com/SiliconValley/Code/1835>

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Mon, 5 Jun 2000 02:06:37 -0600
From: w0yse@juno.com
To: qrp-1@Lehigh.EDU
Subject: [71891] Re: TAC condx
Message-ID: <20000605.023042.-3920637.1.w0yse@juno.com>
MIME-Version: 1.0

Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Conditions in the Ogden area were bad also. Only made about 5 Q's in two different attempts and gave it up. I heard N4BP here also and worked him but he was one of the few decent QRP signals on the band during TAC. Was there a change in the exchange? I had people giving me their state in between their name and area code, so I double checked the rules. States were not mentioned there. I am glad that every one I worked gave their state, since you cannot tell by the call letters *these days* where anybody is located. ;-)

Neil, w0yse, *Layton Utah* (between Ogden and SLC)

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Mon, 5 Jun 2000 04:37:15 -0400
From: John AE5X <ae5x@juno.com>
To: ARDUJENSKI@aol.com
Cc: qrp-1@lehigh.edu
Subject: [71892] Re: QRP BACKPACKING RIG
Message-ID: <20000605.050513.3606.0.ae5x@juno.com>

Hi Alan,

I've never used my SSTs at 9 volts due to the limited amount of operating time this would provide. With AAs, you have some choice of output power and lifespan based on the number of batteries you choose (8, 9 or 10 cells).

On my page below, I have a table comparing battery voltage of an alkaline AA pack with "QSO time" for my Norcal 40. The SST would probably compare very closely.

Have fun,

John Harper AE5X
Ex: AA5YX, KA5BBL, VQ9BL
HW-9, OHR-100A/20, NC40A, SST30, SST40, DSW20
Outdoor QRP: <http://home.att.net/~j..harper>

On Sun, 4 Jun 2000 13:22:43 EDT ARDUJENSKI@aol.com writes:
>Finally plan to hit the trails seriously this summer with the goal of

>QRP
>during both day and overnite trips (40M or 20M depending on season). I
>want
>toget one small (pocket size) and light as possible but still
>effective. It
>appears the SST may be a good choice. Those that use the SST have you
>found
>the AA or lithium 9v better choice. Comments or recommendations?
>alan kb7mbi

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Mon, 5 Jun 2000 07:19:02 -0500
From: George F Franklin <w0av@juno.com>
To: W1R0@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [71893] Re: Trail/Traveler Straight Key?
Message-ID: <20000605.071902.-261343.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi Jim,

I used one of those leg keys during WW2 as a radio operator in an armored car, Troop A, 113th Cavalry Recon. Sqdn.. chasing the German army eastward to the Elbe River, where we met the Russians.

As I recall, the main problem was that the clampt cut off circulation in my right leg; too tight!

Thanks for the memories.

72/73/74 de George/W0AV
SOC #101

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Mon, 05 Jun 2000 06:33:31 -0600
From: Ray Colbert <af852@rgfn.epcc.edu>
To: qrp-1@lehigh.edu
Subject: [71894] Re: Illegal Operators
Message-ID: <393B9E1B.4D0F8539@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone else notice the proliferation of probable illegal operators in the 14.040-14.050 range? SSB and various digi modes - at the present time about S4 or 5 on ssb but at various times of the day, up to S7 or so - never any calls heard and unfamiliar language. With no directional antenna, hard to judge from where they emanate.

--
"The more I see of the representatives of the people, the more I admire my dogs." letter from Count d'Orsay to John Foster 1850
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2 SOC#78
MI-QRP 379QRP-ARCI 5784 NORCAL 1110, El Paso, (FAR WEST) TEXAS

NetZero - Defenders of the Free World
Click here for FREE Internet Access and Email
<http://www.netzero.net/download/index.html>

Date: Mon, 5 Jun 2000 08:47:53 -0400
From: "Doug Person" <w4dxv@attglobal.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>, "Phil Wheeler" <w7ox@earthlink.net>
Subject: [71895] Re: DSW-20 is SOLD!!!
Message-ID: <000901bfceec\$44a17960\$2dbfe220@m1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Phil,

My travel antenna solution for 20 meters is 2 Hustler 20 meter resonators, 2 MO-4 masts (each 2 feet long), an adapter that joins them together to form a dipole, a 3 piece telescoping aluminum mast that when extended is about 8.5 feet long - this last piece attaches to the center adapter and allows me to position the dipole away from the balcony (assuming there is one) of my hotel room, or to prop up the dipole on a chair or some other convenient

support object. Assuming no close by metal objects, this arrangement is usually at or close to resonance when assembled to the previously applied marks on the whips. Works FB on cw with my SST and I tested it with PSK31 by turning my IC-738 down to it's QRP power level of 3 watts out with satisfactory results.

I'm now working on assembling a version of Rick Littlefield's "compact travel antenna" as described on page 29 of Ham Radio Magazine, June 1987. This antenna uses two 72 inch telescoping whips from Radio Shack, a loading coil on each side and aluminum tubing to support the coil and whips from the center. I'm hoping to create a version that will store in a space of three feet by two and a half inch diameter and weight in at about a pound. The total length of the antenna fully extended is 21.4 feet and can be quickly adapted to 15, 12 or 10 by jumpering the coils and adjusting the the whip length.

I may also carry my LDG QRP autotuner to deal with the usual assortment of SWR increasing objects that normally surround you in a hotel room. BTW, I typically travel every week for about 4 days and am anxious to try operating PSK31 on the road with my ever trusty laptop computer.

72, Doug Person -- W4DXV

-----Original Message-----

From: Phil Wheeler <w7ox@earthlink.net>

To: Doug Person <w4dxv@attglobal.net>

Date: Sunday, June 04, 2000 8:45 PM

Subject: Re: DSW-20 is SOLD!!!

>

>

>Doug Person wrote:

>>

>> Hi Phil and everyone,

>>

>> I'm active now on PSK31 using my Icom IC-738 which is almost exclusively
>> used for PSK31, RTTY, PACTOR, etc.. The PSK-20 seems to be an ideal
PSK31

>> machine due to it's wider bandwidth. I put my order in about 10 days
ago.

>>

>

>Yes, Doug!

>

>> My solution for a little more power is to use my IC-2KL Icom solid state
>> amplifier. It produces very nice gain. With 3 watts input it will
produce

>> about 60 watts out. However, it sure would be nice to have a QRP to QRO
>> (1-5 to 50-100 watts) amplifier kit available someday. Come to think of
it,
>> though, Ramsey Electronics has a small single band 20 watt amplifier kit.
>> And 2-3 watts to 20 watts is a pretty big jump in ERP. I've seen it on
>> their web site for, I think, \$69.
>>
>
>I'll check that out. Hate to use my AL-811H to get a few watts out ..
>the filaments probaly draw more power than the output would be! And
>then there is the fan.
>
>> Elecraft has indicated that they plan on an add-in amplifier for the K2
that
>> would be either 50 or 100 watts out. However, my last inquiry resulted
in
>> an answer indicating it isn't even on the drawing boards yet.
>>
>
>Well, I think one will come to pass. But I'd rather commit that to the
>K2. What I want is to use the PSK-20, but have an amp I can switch in
>for "marginal" situations. If I wanted to go QRO, I could just use my
>TS-570DG (in fact, I can run it down to 5 w). But it, too, does not
>have a real wide BW for DigiPan.
>
>> For mutliband antennas I have one great suggestion: an OCFD! That's an
>> Off-Center Fed Dipole. I've been doing research on this type of antenna
and
>> have found articles in several books. An OCFD can provide great SWR on 4
>> bands:40, 20, 15, 10. I am using one from Bill Orr's HF Antenna Handbook
>> and, I gotta say, it's a fantastic antenna. I do not need an antenna
tuner
>> or even engage the internal antenna tuner on my 738 for these 4 bands. I
>> recently found an article, originally from QST, in the ARRL Antenna
Classics
>> Volume 2, that describes a 9 band double OCFD that covers everything from
80
>> to 10 with lovely SWR bandwidths. The W6SAI OCFD is simple to build. 68
>> feet total length, feed with a 4:1 balun followed by a common-mode choke
and
>> your choice of 50 ohm coax, feedpoint 14 feet in, making the other side
54
>> feet. I can't praise this design enough. I have modeled this antenna
ande
>> variations many times. The models prove out it's performace and
patterns.
>> My best results were with using RadioWorks baluns and chokes. Jim makes
nice

>> stuff! He also has a Carolina Windom which is really an OCFD. Have one
and
>> it's what got me interested in this type of design.
>>
>
>Interesting .. my current thinking is to replace the two 2 m yagis I
>have stacked over my 6 meter beam by a D4 (40-20-15-10 rotating
>dipole). But I will look into the OCFD. My problem is that I have lots
>of distance (180 ft) in the EW direction but much less in the NS
>direction. So most wire antennas are not properly directive for my
>SoCal location!
>
>> I keep trying verticals, but never seem to enjoy any real success. I
built
>> a phased pair for 20 with elevated radials thinking a little gain might
>> help. The OCFD obtained stronger signals 80% of the time. I have a GAP
>> Titan. Many people hate this antenna. A friend of mine had terrible
luck
>> with his. Mine works fine - but, again the OCFD seems to hear better
most
>> of the time.
>>
>
>I've had a DX-77 (OK but not as good as the G5RV I have) and a GAP
>Titan. I could never get the Titan to load well on several bands, so
>(after a month of trying, and many phone calls to FL) I took it down and
>sold it before the sea air got to it. I suspect it was just my location
>and the other antennas around (had it ground mounted with the low end
>abt 7 ft up for safety purposes).
>
>> I agree with two bands for travel 20 and 40. The K1 is perfect for
>> traveling. The PSK-20 offers an alternative mode which I intend to try
out.
>> I normally travel 4 days out of the average week and the PSK-20 is going
to
>> travel with me.
>>
>
>I likely would not travel with a laptop for that, since most of my long
>trips are by bus (a group I belong to) .. but it does have merit. BTW
>.. what do you use for travel antennas? I've found some intriguing
>ideas at
>
><http://www.io.com/~maddog/hamradio>
>
>73 .. Phil
>

Date: Mon, 5 Jun 2000 08:58:10 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [71896] BATTERY INFO
Message-ID: <dd.53a2ec3.266cfde2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

WHITEROOK has a nice set of tables for general amphour ratings and voltages
<http://electronicsusa.com/batteryinfo.html>

A long while back there was some info provided giving comparisons of RAYOVAC, EVERREADY, and DUROCELL. Does someone recall where this info is/was and/or which one had the best performance (I believe it was one of the latter)?

Thanks--alan kb7mbi

Date: Mon, 05 Jun 2000 09:26:30 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [71897] Re: HB: SPICE models for transformers?
Message-ID: <000e01bfcef1\$b3093af0\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Chuck,

I messed around with it some more, and it looks like that might be the solution. I didn't realize at the time that one could "couple" an inductor to more than one other. I tried it briefly yesterday, but I'm not sure if I have the rest of the circuit right yet.

Dave

David Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

----- Original Message -----

From: Chuck Ludinsky <cjl@mitre.org>
To: <dlh1009@ritvax.isc.rit.edu>
Sent: Monday, June 05, 2000 9:33 AM
Subject: re: HB: SPICE models for transformers?

> Dave,
>
> > I'm starting to tinker around with SPICE to simulate some circuits I'm
> > working on. I find that I need to model an RF transformer with center
taps
> > in both the primary and secondary winding. Can anyone offer any
suggestions?
> > I get the idea on how to specify mutual coupling between two inductors
> > (windings), but I'm not sure how (or if) it can be extended to center
taps.
>
> The program I use (MicroSim Design Lab) allows one to specify coupling
> among up to six inductors. If you treat a center tap transformer as
> three inductances, with two connected together (the center tap) it works
> fine.
>
> Not sure how to do this if you're using a text-based Spice program. You
> might try sending an email to Chuck Adams.
>
> 72 DE K1CL
> Chuck.
>

Date: Mon, 5 Jun 2000 09:41:03 EDT
From: NB6M@aol.com
To: qrp-1@lehigh.edu
Cc: jparker@fix.net
Subject: [71898] Easy One Watt Mod for SMK-1
Message-ID: <4c.65bfec4.266d07ef@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I forgot to put in the original post that you need to put a heat sink on your
new final RF Amp transistor.

72

Wayne NB6M

Date: Mon, 5 Jun 2000 08:15:32 -0600
From: "Robert Follett" <bfollett@email.msn.com>
To: "QRP-L Group" <qrp-l@lehigh.edu>
Subject: [71899] Pictures of the Magnetosphere now available
Message-ID: <007e01bfcef8\$83fbed00\$c1440e3f@MSNbfollett>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang:

For those of you who follow Paul Harden's excellent dialogs about our solar conditions and their effect on our plant, check out the following web site from NASA. Here is one of the first pictures taken from space of our magnetosphere.

http://spacescience.com/headlines/y2000/ast05jun_1m.htm?list

73, Bob

Bob Follett AB7ST
3133 American Saddler Dr.
Park City, UT 84060 (435) 649 6457

Date: Mon, 5 Jun 2000 07:28:41 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [71900] Re: Illegal Operators
Message-ID: <20000605142841.6317.qmail@web3003.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Ray,

I have noticed this to in the last couple of months. My experience has been that the 20m CW allocations had been pretty clean from illegal radio traffic but not anymore! It is now right up there with 10m and 40m.

I guess anything goes nowadays.

=====

73,

Steve Yates - AA5TB

Fort Worth, TX - EM12gs

<http://www.geocities.com/aa5tb>

aa5tb@arrl.net

Do You Yahoo!?

Yahoo! Photos -- now, 100 FREE prints!

<http://photos.yahoo.com>

Date: Mon, 5 Jun 2000 10:38:04 -0400 (EDT)

From: Brien Pepperdine <pepperb@gov.on.ca>

To: qrp-l@lehigh.edu

Subject: [71901] Wanted: Fall(Autumn) 1999 QRPP copy (or issue).

Message-ID: <Pine.OSF.4.05.10006051030330.1178-100000@govonca2.gov.on.ca>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello. I remain in need of the Fall (Autumn) 1999 QRPP. A photocopy would be fine (or a spare too...). Will pay etc.

This will fill the hole in my collection caused by postal delivery failure.

The annual 1999 bound volume will be purchased to replace any photocopied version. (when available somewhat later on).

Thanks.

Brien Pepperdine

Amateur Radio Station VE3VAW

Toronto, Ontario Canada

ARCI QRP #8773 - NORCAL QRP "ZOMBIE"

Date: Mon, 05 Jun 2000 10:55:31 -0400

From: David Hinerman <dlh1009@ritvax.isc.rit.edu>

To: qrp-l <qrp-l@Lehigh.EDU>

Subject: [71902] Re: HB: SPICE models for transformers?
Message-ID: <002701bfcefe\$1d5cf6b0\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> in your case, you've got FOUR inductors, all mutually coupled
> with a single "K". Some simply have their ends tied together. Watch out
> the order in which you specify nodes, or you'll end up connecting the
> wrong ends together.

Glen,

I tried using a single K statement to bind all four inductors, by my version of Spice (Winspice, that comes on the QRP-L CD) complained, so I made 6 separate K statements like this:

```
L1 1 2 15u      *L1 + L2 make the primary. Node 1 is the top
L2 2 0 15u      *bottom end of L2 is at ground, node 2 is the primary CT
L3 3 4 15u      *L3 + L4 make the secondary. Node 3 is the top
L4 4 0 15u      *bottom of L4 is ground, Node 4 is the secondary CT
K1 L1 L2 0.99   *couple both halves of the primary
K2 L3 L4 0.99   *couple both halves of the secondary
K3 L1 L3 0.99   *couple half of primary to 1st half of secondary
K4 L1 L4 0.99   *couple half of primary to 2nd half of secondary
K5 L2 L3 0.99   *couple other half of primary to 1st half of secondary
K6 L2 L4 0.99   *couple other half of primary to 2nd half of secondary
```

Perhaps I've gotten carried away with all the coupling?

Dave

Date: Mon, 5 Jun 2000 08:05:02 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [71903] New & better antenna
Message-ID: <20000605150502.6909.qmail@web701.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

My old 2 el 10/15M quad had been repaired agn and agn.
The winter of 99/2000 was mild and no ice storms here
in Arkansas. The duct tape held on better than
expected, and the antenna was still very usefull in

such poor condition.

But spring time finally came, and I got my act together for the major project. I removed the old, and built anew! This time, no EMT tubeing, or low grade aluminum. I went with the recommended aircraft quality grade. And new fiberglass spreaders too.

The spreaders from Lighntnig Bolt Antennas came with holes drilled for 10, 12, 15M. I also got the wire from them and strung up all three bands at 70 feet above the ground on my tower.

I have never had 12 meters (24mHz) except for my make do 12M quad 10 ft off the ground in the tree branches. Never did figure out how to rotate the trees, so I had to be happy with it aimed at Europe. Hi hi

Never the less, with my silly antenna, Eduardo C08LY and I broke the 24mHz miles per watt record in February this year. In spite of the fact that Cuba is not in the direction of Europe! hi

Anyway, I have a link for Lightning Bolt antennas on my "Links" webpage. See my webaddress below in the signature. Also the tree quad story is there, and the C08LY story if you didnt see it already.

Already made one contact with my new quad over the weekend. KH0/JA1XGI on 21.010mHz with 500mW.
(Yeah, I passed the Extra)

Hope to meet some of you on 10/12/15M with my shiney new quad! Now the milliwatts will REALLY fly!

72/3's de Jim KJ5TF
"All milliwatts, All the time"

=====

<http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
Join/renew membership QRP Amateur Radio Club International
<http://www.qrparci.org/arcijoin.html>
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

Do You Yahoo!?

Yahoo! Photos -- now, 100 FREE prints!
<http://photos.yahoo.com>

Date: Mon, 05 Jun 2000 10:13:34 -0500
From: Vance Huntsinger <vhuntsinger@iwic.net>
To: qrp-1@Lehigh.EDU
Subject: [71904] Re: Trail/Traveler Straight Key?
Message-ID: <4.2.0.58.20000605100824.009d4580@mail.iwic.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Haven't tried the Sox key, which looks cool, albeit a little pricey. For a cheaper, 1 oz. key, check out the Whiterook keys at:

<http://electronicsusa.com/mk.html>

I have used their paddles, which are OK for backpacking--haven't used the straight key. Their only drawback is also their strength: they are very light. You need to hold them in one hand and operate them with the other, or else use a Velcro strap or something to keep them in place.

73,
Vance-WA9YDJ

At 03:10 PM 6/4/2000 -0700, Coote, Jay wrote:
>I am looking for a reliable, small straight key suitable for pack or
>travel...besides just shrunken-down versions of a standard key. I wonder
>if there are some good small keys out there?
>Thanks,
>Jay
>W6CJ

Date: Mon, 5 Jun 2000 11:39:23 EDT
From: NB6M@aol.com
To: qrp-1@lehigh.edu
Subject: [71905] RE: Easy One Watt Mod for SMK-1
Message-ID: <7b.4f8ad2d.266d23ab@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Gang,

Just a little further discussion on why I picked pad 4 of T-1 as the spot to take 12 volts for the new final amp, rather than taking it from the anode of D-10, the 12 volt supply to the rig.

The main reason was for parts count. By taking 12 volts from Pad 4 of T-1, you already have an RF bypass capacitor to ground at that point (C-23), electrically speaking, and the circuit board run to C-23 is quite short from that point.

You also may get some benefit for low frequency bypassing by C-12, the audio bypass cap for the LM-386, which is also electrically connected to the same point.

If you were to take the 12 volts for the new final amp directly from the 12 volt input, on the anode side of D-10, then you would need to add bypass caps at the 12 volt side of your 10 uh RF choke. DeMaw (W1FB) typically used a combination of three bypass caps in similar locations. A .1 uf for HF frequencies, a .001 for any spurious VHF, and a 22 uf electrolytic for low frequency bypassing.

A similar final amp circuit in the SW-40 from NN1G uses a .1 and a 10 uf electrolytic as bypass caps at the 12 volt side of the RF choke.

The choice is yours. As a precautionary measure, or if there is any indication of need, you could add a .001 uf bypass cap from Pad 4 of T-1 to ground to provide VHF bypassing. I have not had any indication so far that this is needed, in my SMK-1.

Signal reports on the air thus far say the signal is clean. See you on the air.

72

Wayne NB6M

Date: Mon, 5 Jun 2000 11:56:47 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu
Subject: [71906] Riley Hollingsworth email address
Message-ID: <v03102800b5617c7c6331@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here is the email address for Riley Hollingsworth.

RHOLLING@fcc.gov

As someone posted earlier, Riley and the FCC are well aware of all the "Old Man Copper" operations in existence.

It wouldn't hurt to let Riley know via email that hams are concerned about the mess on the low end of 10 meters.

72,

Rick kf4ar

Date: Mon, 05 Jun 2000 12:19:57 -0400
From: Stephen Trier <sct@po.cwru.edu>
To: dlh1009@ritvax.isc.rit.edu
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [71907] Re: HB: SPICE models for transformers?
Message-ID: <3.0.5.32.20000605121957.009384a0@hunny.cwru.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:55 AM 6/5/00 -0400, David Hinerman wrote:
>[...] I made 6 separate K statements like this:

That looks right to me, but when I tried it, I had convergence problems.
(I'm using an old evaluation copy of PSPICE.) I was using much weaker
coupling factors, though.

Stephen

--
Stephen Trier
sct@po.cwru.edu
KG8IH

Date: Mon, 05 Jun 2000 09:22:33 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-1@lehigh.edu
Subject: [71908] Trade:40-9er NorCal kit/Extra PCB for SMK1; possible sale
Message-ID: <393BD3C9.E7C@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I had planned to build up a 40-9er for an Altoids tin and procured both the original NorCal kit and an extra PCB for that project last year. Plans have changed. I would like to trade both towards a SMK1 (either built up or the kit) or something of comparable value. I have about \$20 in them. Also looking for Motorola MRF237s...!

73

Allan K7GT

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

Date: Mon, 05 Jun 2000 09:32:44 -0700
From: Jerry Haigwood <w5jh@swlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>, elecraft@qth.net, "Reflector, ScQRPions" <azqrp@extremezone.com>
Subject: [71909] Kit:NEW KIT FROM THE AZ ScQRPions
Message-ID: <393BD62C.9F88D2AB@swlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Gangue,

The AZ ScQRPions are introducing a new Microphone Preamp Kit specifically designed to fit the Elecraft K2. This kit is small - only 0.9 inch by 1.1 inch. and is designed to fit inside of the K2 without any permanent modification of the K2. The kit consists of 10 resistors, 2 capacitors, 1 transistor, a PCB, and instructions. The gain of the preamp is resistor programmable and can be set to 3, 4.5, 6.6, 8.3,

or 10. Instructions are included on how to set the gain. Even though this mic preamp is designed for the K2, it is small enough to fit into many microphones. The input impedance matches most low impedance microphones and the output impedance is approximately 1K Ohm.

Orders for the preamp are being taken by Bob Hightower. If you want one of these preamps, email Bob at:

nk7m@extremezone.com

Request the number of kits you want. Bob will return your email with an order confirmation number. Then you can send your check made out to the AZScQRPions and include your confirmation number. Mail your check to:

Bob Hightower
1905 N Pennington Drive
Chandler, AZ 85224-2632
USA

Also, be sure to include a mailing label with your address clearly printed on it.

The kits will be mailed out on approximately June 15. The price for each kit is \$10 including 1st class mail to USA and Canada. Check with Bob Hightower for shipping to other countries.

--

73, Jerry Haigwood, W5JH, Peoria, AZ USA
web page <http://www.swlink.net/~w5jh/>

Date: Mon, 05 Jun 2000 12:32:04 EDT
From: Dean W Manley <kh6b@juno.com>
To: qrp-1@lehigh.edu
Cc: kh6b@juno.com
Subject: [71910] 50th State for WAS
Message-ID: <20000605.063532.5359.0.kh6b@juno.com>

Hi Group,

I worked Kevin N2TO On 21060 at 0201Z today. It was his 50th state (I believe 2xQRP). He gave me 329 and he was 339 into Hawaii. Much QSB and less than optimum band conditions. I was using my K2 at 5 watts into my trusty 14AVQ trap vertical.

Congrats, Kevin. I'm very happy to be your 50th State.

Aloha,
Dean KH6B
Hilo Hawaii

Date: Mon, 05 Jun 2000 12:40:39 -0400
From: Dennis Terribile/WR4i <wr4i@mindspring.com>
To: qrp-1@lehigh.edu
Subject: [71911] Re: IC706/FT100/DX70TH current?
Message-ID: <393BD807.774262CB@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Also, be advised that the 706 is very finicky about getting at least 13v to operate correctly.
Good luck!
Dennis/WR4i

Date: Mon, 5 Jun 2000 12:52:24 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [71912] SOME BATTERY INFO
Message-ID: <b9.3af4dc5.266d34c8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Although the site is for bicycle light batteries much of the info is applicable to QRP OPS:
<http://www.fan.nb.ca/~aa126/bikecurrent-FAQ.html>

Alan KB7MBI

Date: Mon, 05 Jun 2000 12:04:18 -0500
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-1@Lehigh.EDU
Subject: [71913] Re: Illegal Operators
Message-ID: <393BDD92.FD622948@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

They're on 21 MHz too, I think. I observed quite a lot of phone traffic this weekend around 21.158 (FISTS slow speed frequency)

and almost no CW. Language did not seem to be English, but I'm not sure I figured out what modulation type they were. I tried to tune them in SSB, AM, and FM but never got a clear reception.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Mon, 5 Jun 2000 10:06:53 -0700
From: "JC Smith" <jc-smith@worldnet.att.net>
To: <wr4i@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [71914] Re: IC706/FT100/DX70TH current?
Message-ID: <005901bfcf10\$79072140\$b203480c@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have three of them. One each in two trucks and one in an RV. I operate them all the time at below 13 V with no problem. Any time the engine is off (or the sun's set in the case of the RV, a 5th wheel) the voltage is under 13 V. I do plenty of operating under those conditions. I did run down a battery once. One of my trucks has only one battery (and it was an old one when this happened) and I played a little too long. The radio started acting strange and cut out. I don't know what the voltage dropped to at that point (should have measured it I guess) but it wouldn't start the truck. The other truck is a diesel and has two batteries so it's a little harder to run them down, but it needs more juice to turn over that engine too.

Last year I operated field day all night with the 706 (MkII) in my RV. The batteries are solar charged so there was no charging going on for at least ten hours. I ran a computer, lights and various other appliances and had no problems. The battery voltage was down around 12.2 volts in the morning and I was still making Qs with no complaints.

Perhaps Dennis has a fussy 706? Anyone else have problems with a 706 under 13 V? Oh, yes, I should add that although I do run qrp with my 706s, most of these operations were at 100 W. Helps to have the power when the antenna is less than ideal. Field Day was all at 100 W.

72 - JC,k0hps@amsat.org

----- Original Message -----

From: Dennis Terribile/WR4i <wr4i@mindspring.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, June 05, 2000 9:40 AM
Subject: Re: IC706/FT100/DX70TH current?

> Also, be advised that the 706 is very finicky about getting at least 13v
> to operate correctly.
> Good luck!
> Dennis/WR4i
>
>

Date: Mon, 5 Jun 2000 12:12:34 -0500
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <ka9nzi@arrl.net>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [71915] RE: Illegal Operators
Message-ID: <000101bf11\$3e75e290\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It was probably what I call "FM-SSB" which is what happens when you over draw your power supply. It tends to add a bit of FM to your SSB and makes it extremely difficult to demodulate. It was probably someone running higher power than their power supply would handle.

72/73
Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Gary Lee Phillips KA9NZI
> Sent: Monday, June 05, 2000 12:04 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Illegal Operators
>
>
> They're on 21 MHz too, I think. I observed quite a lot of phone
> traffic this weekend around 21.158 (FISTS slow speed frequency)
> and almost no CW. Language did not seem to be English, but I'm
> not sure I figured out what modulation type they were. I tried to

> tune them in SSB, AM, and FM but never got a clear reception.
>
> -- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
> KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
> QRP-L #2124 <http://www.qsl.net/ka9nzi/>
>
>
>

Date: Mon, 05 Jun 2000 07:13:48 -1000
From: "Art Neilson, WH7N" <art@pilikia.hi.net>
To: ka9nzi@arrl.net
Cc: qrp-l@lehigh.edu
Subject: [71916] Re: Illegal Operators
Message-ID: <3.0.6.32.20000605071348.00942550@pilikia.hi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Right, this ssb traffic has been interfering with an evening sked
I have in that vicinity. Often we call qrl, no ones there so
we make contact and a few minutes later some joker fires up on
top of us with a ssb qso. We chose the 21 Mhz cw novice band so that
we wouldn't get this kind of thing, thought the segment was cw only.
It's quite disappointing to see this happening to the bands.

At 12:04 PM 6/5/00 -0500, you wrote:

>They're on 21 MHz too, I think. I observed quite a lot of phone
>traffic this weekend around 21.158 (FISTS slow speed frequency)
>and almost no CW. Language did not seem to be English, but I'm
>not sure I figured out what modulation type they were. I tried to
>tune them in SSB, AM, and FM but never got a clear reception.
>

>-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
> KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
> QRP-L #2124 <http://www.qsl.net/ka9nzi/>
>
>
>
>
--

--
/) _/_ It is a capital mistake to theorise before one has data.
/--/ _/_ Insensibly one begins to twist facts to suit theories,
/ (_/ (_<__ Instead of theories to suit facts.
-- Sherlock Holmes, "A Scandal in Bohemia"

Arthur W. Neilson III, WH7N
Bank of Hawaii Tech Support
<http://www.pilikia.hi.net>
art@pilikia.hi.net, aneilson@boh.com, wh7n@arrl.net

Date: Mon, 5 Jun 2000 18:17:05 +0100
From: "Andy GM0NWI" <Gm0nwi@tesco.net>
To: <qrp-1@lehigh.edu>
Subject: [71917] Battery Power...."K2"...How Long..?
Message-ID: <000501bfcf11\$fd1d1b00\$751aac3e@q1n3l2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guy`s...

I've just gone and ordered my "K2" in the last few days....
One thing occured to me in my sleep last night (dreamin` of day`s to
come..!))....

The Internal Battery Option AND say a possible external battery for runnin`
the
"K2" on my wheelchair or "out in the field"....

How long will they last for operating/receiving purposes..?? Guess I'll try
and use
power`s again from 5 watts down...

Had the chance to get a 12v 12amp Lead Acid Battery a few weeks back, but
came
away from the local "hamfest" without it..... SSSSSsoooooo will need to
think of buyin`
another....

Wonder what size most of you would recommend...OR is the Internal Battery
gonna be
enough..

Advice Needed.

72s de Andy gm0nwi@tesco.net

A.R.S. GM0NWI

"Long Live QRP..!"

"The Weakest Station In The Nation.."

GQRP No.9576
QRP-L No.2165
ICQ No.31899603

"It is vain to do with more..."
what can be done with less.."

Date: Mon, 05 Jun 2000 10:31:30 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [71918] Re: Trade:40-9er NorCal kit/Extra PCB for SMK1; possible sale
Message-ID: <393BE3F2.32DE@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

SOLD in a flash. Gone now.

GT

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

Date: Mon, 5 Jun 2000 12:53:06 -0500
From: "John Burnley" <burnleyia@home.com>
To: <qrp-l@lehigh.edu>
Subject: [71919] QRP Rules! (IAQRP Hamboree/State QRP Convention Recap; VeryLong)
Message-ID: <001b01bfcf16\$e7c46060\$1b790818@c149552-a.west1.ia.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You bet it rules! What more can be said! QRP has brought more enthusiasm and revived more interest in amateur radio than any other segment of the hobby. All because of the efforts, sacrifices, and contributions of outstanding individuals like Jim 'Dr. Megacycle' Duffey (KK6MC/5), Adrian Weiss (W0RSP), Mike Fitzgibbon (N0MF), Jim Larsen (AL7FS), Jerry Huldeen (WB0T), Larry Stambaugh (WB0RMT), Darrel Swensen (KB0AWB), Steve Sellemeyer (WB0QQT), Paul Sipes (KB0JIT), and Steve Zumbrum (W0SZ). All of these individuals are true QRP'ers and

class gentlemen.

The Iowa QRP Club was active at the Sioux City Hamboree in South Sioux City, Nebraska on Friday June 2, 2000 and Saturday June 3, 2000. Attendance was unexpectedly down this year which hit the flea market pretty hard, but the QRP presence was stronger and more outstanding than previous years. Plus there were several nationally recognized QRP calls in attendance this year.

First I must thank Jim Duffey (KK6MC) for his attendance and participation this year. Jim has roots here in the midwest and Emailed me earlier that he would arrange his vacation in order to not only come to the Hamboree but give two different presentations as well. He did this all at his own expense just to help us spread the good word about QRP. The IAQRP Club is a 'no fee' organization (thus no treasury hi) so we rely heavily on volunteers for QRP forums and displays. The club cannot thank Jim enough for his participation (not only for the forums) but his help at the display table (as well as answering the endless questions thrown his way). This is the first time I've had the pleasure of meeting Jim and he is no doubt an FB QRP'er. What a class guy! Jim's first presentation was on Antenna Hints and Kinks and the second (a new presentation) on Baluns for QRP operations. Jim is a tremendous speaker and did an absolutely fabulous job (and if you ever get the chance to meet or hear Jim jump at it!!)

Next, thanks goes to Ade Weiss (W0RSP). Ade is 'local' to the area and has volunteered for many years to give QRP related forums and help us spread the good word. Ade has driven hundreds of miles (in the past) just to help us man display tables at hamfests. He is an excellent speaker and this year covered QRP DX strategies. Ade also helped with the display tables with his presence plus his Small Wonder Labs DSW rig was on proud display as well. As many of you know, Ade was promoting QRP many years ago with his CQ Magazine articles and his 'Milliwatt' Periodical. Plus he is the author of the 'Joy Of QRP' and the 'History of QRP'. FB job Ade!

Mike Fitzgibbon (N0MF) is well known in the Iowa QRP circles but many of you may not be familiar with him. Mike is one of the finest QRP'ers and individuals I have ever met. He hates attention (and I'm sure I'm going to hear about this) but he deserves to be noticed. He is one of the finest builders ever and each project is a work of art. His 10 Meter (Manhattan Style SST) was on display

down at ARKIE-CON this year. Mike held a forum on Manhattan Style Building (and if you have ever seen his work you know he is an expert). He is also becoming a good DX hound and does many (I really mean many) things in the background for the club. Look for Mike to be published in one of the major QRP periodicals later this year. Mike was also recognized this year (at the Hamboree) for his outstanding contributions to the club in past years. Mike's projects (as always) were an important part of the display table this year. Mike provided a K2, scratch built REGEN (based on Kitchin's designs), 2N2/40 (Manhattan Style), and SST's (for 40, 15, and 10 meters; all scratch built Manhattan Style).

Jim Larsen (AL7FS) is a nationally recognized QRP'er who frequents QRP-L and is one of QRP ARCI's newest members of the Board of Directors. What many of you may not know is that Jim is originally from Iowa with strong roots still here. Jim also is on vacation and was able to arrange his schedule in order to come to the Hamboree. He was a tremendous help to us (and me) and my thanks to him. Jim also donated 5 QRP-L CD's (in the name of ARCI) plus an Alaskan Ulu Knife (which drew a lot of attention especially when Jim guaranteed that it would cut through any QRM). He is an FB VE3DNL Marker/Generator diagnostician.

Jerry Huldeen (WB0T) is a long time QRP'er and has been a tremendous resource to the Iowa QRP Club. He coordinates all QRP activities at the Hamboree (and each year he keeps outdoing himself). He has also probably logged more miles than anyone else in the IAQRP Club (travelling to activities to promote QRP). He is responsible for starting our CW net and has been the driving force behind it. Thanks again to Jerry for all his efforts in making the Hamboree/Iowa State QRP Convention a huge success for us. He also was a tremendous help at the display tables (as always).

Larry Stambaugh has been a major force behind the IAQRP Club since it's inception. He currently is Vice President of the club and does more things in the background (that he doesn't get proper credit for) than anyone knows. He has attended every function (with only one exception) and been an

active participant. Larry also is an outstanding builder and is one of the reasons the display table is always a success. At the Hamboree, Larry provided a BLT tuner (from NorCal), NW80/20 (Dan's variety), homebrew circuit board paddles, NorCal Paddles, NC20, DSW40, ZM-2 tuner from Emtech, and the CSS Receiver (Larry's own design which will be featured in an upcoming issue of the Iowa QRP Newsletter). Larry was also recognized at the Hamboree for his outstanding contributions and leadership for the club.

Darrel Swensen (KB0AWB) is as enthusiastic as anyone when it comes to QRP (and to be honest it won't surprise me if there is a Nebraska QRP Club in the future with Darrel at the helm). Darrel has logged quite a few miles (in the name of the club) to help us with our displays. Darrel provided a NorCal 38 Special, MFJ Cub, Wilderness SST, Ft. Smith QRP Group P-Tick, a 'classic' TT2, and a NorCal SMK-1. He was a big help at the display table and again my thanks to him for his efforts.

Steve Sellemeyer (WB0QQT) also has been a huge help at the display tables (and quite frankly saved our 'bacon' with his additions to the display at the 1st hamboree we attended). Steve always helps at the tables when he can and this year provided a TenTec 1340 transceiver, Emtech NW transceiver, and an OHR Explorer II. Steve does FB work on his projects and again thanks go to him for the display table help.

Paul Sipes (KB0JIT) has been an accomplished builder for many years and in the past has presented forums on building as well as volunteering for judging our yearly building contest. This year Paul helped us with some Elmering at the Friday night building event, display table help, and was on the Q & A QRP Panel (which gave the audience a chance to ask questions about QRP with an answer coming from a panel of experts). Thanks much Paul!

Steve Zumbrum (W0SZ) is an accomplished surgeon in the Sioux City area and an avid QRP'er. As you might imagine, his work schedule and work requirements doesn't leave him much time for Ham Radio. But Steve made time to also be on our panel of experts

for the Q & A session and our thanks to Steve.

Thanks again to the above special individuals who volunteered their time, materials, and energy to spread the good word about QRP!

The trip to Sioux City is around 3 hours from the home QTH. Upon arriving I was greeted by the Sioux City gang with smiles and extra hands to unload all the boxes from my trunk. The display table was up in no time with many great QRP goodies as well as information from some of our QRP related vendors. Thanks to Embedded Research, MFJ, Small Wonder Labs, Kanga US, and TenTec for providing us with current information on their product lines and pricing. The table(s) also included sample newsletters from NorCal (QRPP), G-QRP (Sprat), ARCI (QRP Quarterly), St. Louis QRP Society (Peanut Whistle), CW Operators Club of Australia (Lo Key), and the Japan QRP Club. If your newsletter name is not listed then you did not answer my requests for samples.

Also on display were copies of 'The Joy of QRP' and the 'History of QRP' by Ade Weiss, "The Data Book For QRP'ers and Homebrewers" by Paul Harden (NA5N), and the 'Elmer 101' and '2N2/40' issues of QRPP (the excellent NorCal publication). As always the main attractions were the construction projects brought by the members. Those included a K2, KnightSmite, SMK-1, SuperTick Keyer, Emtech ZM-2, scratch built SST's, scratch built 2N2/40, REGEN receiver, MFJ Cub, P-Tick paddle/keyer, TT2, TenTec 1340, Emtech NW rig, CSS Receiver, OHR Explorer II, Pixie II, and a MFJ-9017. I know I mentioned these before separately, but as you can see when combined it is a very impressive list (all on the same QRP display).

On Friday, Ade (W0RSP) gave his forum on DX Strategies and Jim (KK6MC/5) discussed Antenna Hints and Kinks. Both did excellent jobs and I heard many comments about those sessions alone being worth the trip to the hamfest. Jerry (WB0T) organized a trip over to Valentino's Pizza for the QRP crowd and a group of 14 QRP'ers had dinner and some great fellowship! The following individuals attended the QRP Pizzazzzz: John NU0V, Paul KB0JIT, Mike N0MF, Gary N0SJM, Dan KC00GXY, Joanne KC0AXH, Darrel KB0AWB, Dennis N0WA,

Bill W0AEN, Jim KK6MC/5, Jim AL7FS, Steve WB0QQT
and xyl Marge, and Jerry WB0T.

After the group was well fed we retired back to the Marina Inn (Hamboree HQ) for the annual building event. The choice kit this year was the VE3DNL Marker / Generator kit sold by the Ft. Smith QRP Group from Ft. Smith, Arkansas. This is a great little kit with excellent instructions and by the end of the evening every built kit was working correctly. Jim (AL7FS) demonstrated his marker / generator debugging prowess during the event. A very big thank you to Jay Bromley (W5JAY) and the Ft. Smith QRP Group for helping us with the kits! Jay is a is very easy to work with and a class individual. I can now see why ARKIE-CON has become a major QRP event with the dedication and enthusiasm the Ft. Smith Group and Jay have for QRP.

An early start Saturday and in no time the display table was back in business.

The table is always a popular stop for many hams (new and old alike). The new hams are impressed that it is possible to build effective ham gear and how successful one can be with operating low power. There are three new builders in our midst now. Travis, Josh, and Nick (all fb young boys) each received a St. Louis Audio Amp board (and all the parts I could find). Thanks to Dave Gauding (NF0R) and the St. Louis QRP Society with their outstanding outreach program which has helped us put projects into the hands of new builders and young hams/non-hams. Plus there were four forums on Saturday. Mike discussed Manhattan Building while Ade spoke on DX and Jim presented Baluns for QRP Use. The presentations ended with a Q & A session with a panel of experts (we usually do this anyway in an informal format so decided to make it an official part of the program).

Finally (but not least) a very big THANK YOU to those who donated doorprizes for the 'fest. All have found very good homes and I will post the names of the winners in a separate posting. The following doorprizes were donated to the Iowa QRP Club:

3 P-Tick keyer/paddles from the Ft. Smith QRP Group
Tick SMT kit plus enclosure kit from Embedded Research
Alaskan Ulu Knife from Jim Larsen
5 QRP-L CD's from Jim Larsen in ARCI's name
Atlantacon Proceedings from Darrel Swenson and the NJ QRP Club
SuperTick SMF from NOMF
Tick EMB kit from KQ0I
January 2000 & April 2000 QRP Quarterly from KQ0I
Slinky Antenna Kit from the Iowa QRP Club

Again our thanks to these FB QRP'ers for helping us with our efforts to spread the good word of QRP. My apologies in advance if I have left any of the information out.

This weekend was a great time and I can't wait until next year. Sorry for the bandwidth but I'm really jazzed about our niche of the hobby after this FB weekend.

72, John NU0V

Date: Mon, 05 Jun 2000 13:08:51 -0500
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU, aa5tb@yahoo.com
Subject: [71920] Re: Unusual 30m Beacon Information
Message-ID: <393BECB2.CE64F5EE@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for posting the recording, Steve. Your transcription of the content is accurate by me. I wonder what the heck that thing is?

I listened for it occasionally here in northern Illinois over the weekend but never heard it. Of course, HF conditions were generally poor, as everyone has been noting. But if you could hear it in TX, albeit weak, and no one else is hearing it, perhaps it is fairly close to you geographically. Mexico comes to mind, but it could just as well be some politically odd individual or group in the US.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Mon, 5 Jun 2000 13:15:51 -0500
From: "Gary Lee Phillips" <ka9nzi@arrl.net>
To: "Art Neilson, WH7N" <art@pilikia.hi.net>, qrp-l@lehigh.edu
Subject: [71921] Re: Illegal Operators
Message-ID: <200006051815.NAA15871@mail.lib.colum.edu>

> Right, this ssb traffic has been interfering with an evening sked
> I have in that vicinity.

Thanks for confirming that I wasn't imagining it. On the other hand, if your QRM source and mine are identical, it must be pretty high powered. Band condx were lousy over the weekend, as we all know. I couldn't copy the Hawaii DX beacon on 21.15, nor any of the Asians except for the Russian. I think I heard New Zealand once or twice. Even South America, which usually is loud here, was absent. The language of the transmissions did sound like it might be Asiatic, but I was never sure I was receiving them clearly. They seemed very broad, too, so perhaps it was all splatter.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Mon, 5 Jun 2000 13:21:31 -0500
From: "Gary Lee Phillips" <ka9nzi@arrl.net>
To: grp-l@lehigh.edu
Subject: [71922] Alaskan QRP
Message-ID: <200006051821.NAA15912@mail.lib.colum.edu>

I know there are one or two list members based in KL7. But does anyone know of a regular CW (or RTTY) net of Alaskan ops? I still need KL7 for WAS QRP. In 18 years of hamming, I think I've only heard one or two Alaskan stations. I know high latitude propagation is sometimes iffy, but given that there are more hams in Alaska than in, say, North Dakota, it seems like we ought to run into them more often than I have. Not to mention the fact that I've worked British Columbia regularly, and that really isn't so far from the Alaska panhandle.

I'd like to try to listen in to any net frequency/sked to see if I can even hear 'em...

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Mon, 05 Jun 2000 11:25:56 PDT
From: "Doug Hendricks" <ki6ds@hotmail.com>
To: grp-l@lehigh.edu

Subject: [71923] QRP Weekend: Gary Diana, N2JGU visits West Coast
Message-ID: <20000605182556.480.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Guys, I spent the weekend with one of the great guys in QRP, Gary Diana, N2JGU, who co-founded Embedded Research and now runs the company by himself.

Gary is a class act. Try and think of a QRP event that has not had a prize donated by Embedded Research. Brad and Gary decided that they wanted to give back to the hobby when they founded ER, and Gary has continued with that same philosophy.

Gary is in San Francisco this week taking classes, but he came out early to spend some time with qrpers. Friday night I picked Gary up at the hotel, and we went to the Pizza Bash at Mountain View Round Table Pizza. Mike and Jessica Gipe, Bob Tellefsen, Paul Maciel, Ori Mizrahi Shalom, Bob Okas, Jeff Furman, Gary and I all were there and had a great time (seems like I am leaving someone out, but can't think of who). We stayed until past 10 and talked about parts shortages, keyers, paddles, mandolin playing, qrp rigs, K2's, K1's (counter sunk vs. non countersunk screws), SMK kits and generally had a great time. Thanks to all who came out.

Gary and I then went back to the hotel where we stayed up late talking about future Embedded Research projects. Gary has a couple of fantastic ideas for projects, one of which he will be announcing very, very soon on qrp-l. I won't spoil his announcement, but will say that I ordered 10 of them, sight unseen.

Saturday we went to the usual parts places, and also made a stop at Bay Area Circuits where we were given a 45 minute tour of the facility by Ron who is in charge of production. Ron took us through every step of the way in the process of making a board, and it was very, very enlightening. Gary says that Bay Area Circuits is by far the most customer friendly company that he has ever dealt with. They are the company that makes the boards for NorCal, Wilderness, Red Hot Radio, Blue Sky Engineering, Elecraft, NJ QRP and Embedded Research. Quite an impressive list of clients in the QRP world.

While there Gary talked with them about his new product, and got assurances that it could be done.

Then we went to HSC. I had a problem with some parts that I got from HSC for the SMK. Had to go to them for .1 caps. They sent me a reel of 470 ohm resistors on a reel marked .1 caps. Naturally I did not look at the "caps" or I would have seen immediately that they were resistors marked 471. I put them in 200 kits!! Took a bunch to Dayton, had to replace them at Dayton, mailed out some, had to replace them, think I have all of them found now. But you can imagine the aggravation. The guy at HSC was very concerned, and handled the problem very well. He replaced the caps, and gave me another

reel for the problems that I had. (By the way in case you are worried that your kit has the wrong parts, look at the .1 caps. IF they are marked 471, you have the wrong parts, otherwise you are ok. If you have the wrong parts, let me know and I will replace them.) I understand how the mistake was made, I had to take some ownership as I did not check the caps myself, other than to read the value on the reel. But the professional way that Rich at HSC handled my problem was really appreciated. The guys at HSC are good to deal with.

Gary and I finished the evening with a nice dinner at the Fish Market restaurant. This is a great place to eat fresh fish, and I recommend the Red Snapper. We then went over to Dave Fifield's new house and got a tour of his new home that he is remodeling. Beautiful house, and he has a room dedicated to Red Hot Radio. Thanks to Dave for the tour.

Gary and I went back to the hotel where we stayed up late again talking qrp.

It is very interesting to see how customer oriented Gary is. He is like many of the vendors in QRP, he does it as a sideline, and you get the feeling that he is not doing it to get rich, but that he wants to contribute to the hobby.

Sunday morning Gary had to go to his seminar, (he missed the NorCal meeting) and I went to the Livermore swap and the NorCal meeting. Keep your eyes peeled guys, Gary has 3 new products coming in the next year. One he has plans to announce imminently, another is scheduled for Pacificon, and the third will be unveiled at Dayton. All of them are exciting products that are going to be good for qrpers and good for Embedded Research. Sorry I can't tell you more, but I have been sworn to secrecy.

Thanks Gary for a great weekend. 72, Doug

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Mon, 05 Jun 2000 11:26:18 PDT
From: "Doug Hendricks" <ki6ds@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [71924] QRP Weekend: Gary Diana, N2JGU visits West Coast
Message-ID: <20000605182618.566.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Guys, I spent the weekend with one of the great guys in QRP, Gary Diana, N2JGU, who co-founded Embedded Research and now runs the company by himself.

Gary is a class act. Try and think of a QRP event that has not had a prize donated by Embedded Research. Brad and Gary decided that they wanted

to give back to the hobby when they founded ER, and Gary has continued with that same philosophy.

Gary is in San Francisco this week taking classes, but he came out early to spend some time with qrpers. Friday night I picked Gary up at the hotel, and we went to the Pizza Bash at Mountain View Round Table Pizza. Mike and Jessica Gipe, Bob Tellefsen, Paul Maciel, Ori Mizrahi Shalom, Bob Okas, Jeff Furman, Gary and I all were there and had a great time (seems like I am leaving someone out, but can't think of who). We stayed until past 10 and talked about parts shortages, keyers, paddles, mandolin playing, qrp rigs, K2's, K1's (counter sunk vs. non countersunk screws), SMK kits and generally had a great time. Thanks to all who came out.

Gary and I then went back to the hotel where we stayed up late talking about future Embedded Research projects. Gary has a couple of fantastic ideas for projects, one of which he will be announcing very, very soon on qrp-l. I won't spoil his announcement, but will say that I ordered 10 of them, sight unseen.

Saturday we went to the usual parts places, and also made a stop at Bay Area Circuits where we were given a 45 minute tour of the facility by Ron who is in charge of production. Ron took us through every step of the way in the process of making a board, and it was very, very enlightening. Gary says that Bay Area Circuits is by far the most customer friendly company that he has ever dealt with. They are the company that makes the boards for NorCal, Wilderness, Red Hot Radio, Blue Sky Engineering, Elecraft, NJ QRP and Embedded Research. Quite an impressive list of clients in the QRP world.

While there Gary talked with them about his new product, and got assurances that it could be done.

Then we went to HSC. I had a problem with some parts that I got from HSC for the SMK. Had to go to them for .1 caps. They sent me a reel of 470 ohm resistors on a reel marked .1 caps. Naturally I did not look at the "caps" or I would have seen immediately that they were resistors marked 471. I put them in 200 kits!! Took a bunch to Dayton, had to replace them at Dayton, mailed out some, had to replace them, think I have all of them found now. But you can imagine the aggravation. The guy at HSC was very concerned, and handled the problem very well. He replaced the caps, and gave me another reel for the problems that I had. I understand how the mistake was made, I had to take some ownership as I did not check the caps myself, other than to read the value on the reel. But the professional way that Rich at HSC handled my problem was really appreciated. The guys at HSC are good to deal with.

Gary and I finished the evening with a nice dinner at the Fish Market restaurant. This is a great place to eat fresh fish, and I recommend the Red Snapper. We then went over to Dave Fifield's new house and got a tour

of his new home that he is remodeling. Beautiful house, and he has a room dedicated to Red Hot Radio. Thanks to Dave for the tour.

Gary and I went back to the hotel where we stayed up late again talking qrp.

It is very interesting to see how customer oriented Gary is. He is like many of the vendors in QRP, he does it as a sideline, and you get the feeling that he is not doing it to get rich, but that he wants to contribute to the hobby.

Sunday morning Gary had to go to his seminar, (he missed the NorCal meeting) and I went to the Livermore swap and the NorCal meeting. Keep your eyes peeled guys, Gary has 3 new products coming in the next year. One he has plans to announce imminently, another is scheduled for Pacificon, and the third will be unveiled at Dayton. All of them are exciting products that are going to be good for qrpers and good for Embedded Research. Sorry I can't tell you more, but I have been sworn to secrecy.

Thanks Gary for a great weekend. 72, Doug

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Mon, 5 Jun 2000 12:29:27 -0600
From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [71925] New rig
Message-ID: <F9645092A142D3118CBD00805F15292E097B5537@eb-mail1.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain

I was sitting the other day between events while watching one of my kids do something and thought it would be great to have a small CW rig that I could take with me and not need a 66 foot dipole to operate.

Does anyone make (I would prefer a kit) a 2 meter CW rig, kind of like an HT that I could take out to the park and use without all the fuss of trying to get an antenna in the air?

Then if I built it would anyone be there?

de KI00T, Brad

Date: Mon, 5 Jun 2000 14:44:26 EDT
From: NB6M@aol.com

To: qrp-1@lehigh.edu
Subject: [71926] SMK-1 Easy One Watt Mod Now on NorCal Web Page
Message-ID: <a1.635b5b4.266d4f0a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Gang,

The directions and schematic for the SMK-1 Easy One Watt Mod, and the discussion about the pickoff point for the 12 volts supplying the new final amp are all on the NORCAL QRP Club Web Page, and are downloadable from there.

I will continue to answer queries and forward schematics, etc., to anyone who emails me directly.

Would appreciate hearing how your mod turns out, what transistor you used, etc.

72

Wayne NB6M

Date: Mon, 5 Jun 2000 15:07:01 EDT
From: W1R0@aol.com
To: jc-smith@worldnet.att.net, qrp-1@lehigh.edu
Subject: [71927] Re: IC706/FT100/DX70TH current?
Message-ID: <20.6d2b23f.266d5455@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Haven't notice that problem on my 706MKIIG. Does it make a difference which version of the 706? I run my camping, and at home. The battery while camping gets down below 13V quite often.

Jim
W1R0/7

Date: Mon, 5 Jun 2000 12:32:45 -0600
From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [71928] looking for
Message-ID: <F9645092A142D3118CBD00805F15292E097B553A@eb-mail1.gwl.com>
MIME-Version: 1.0

Content-Type: text/plain

I'm looking for George Heron, N2APB or anyone in the NJ-QRP Club. Just wondering if they got my check for the new NorCal Kit Case.

de KI00T, Brad

Date: Mon, 5 Jun 2000 15:08:09 -0400
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [71929] RE: Illegal Operators
Message-ID: <125490A005E3D3118C9C00805FC743CC3E1D4C@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

In many countries, 21.100+ is allocated to phone, either by regulation or band plan and or useage. The operation may be amateur and it may be legal.

73,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St
Newington, CT 06111
Tel: 860-594-0318
FAX: 860-594-0259
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org>
ARRL Technical Information Service: <http://www.arrl.org/tis/>

-----Original Message-----

From: Art Neilson, WH7N [mailto:art@pilikia.hi.net]
Sent: Monday, June 05, 2000 1:14 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Illegal Operators

Right, this ssb traffic has been interfering with an evening sked I have in that vicinity. Often we call qrl, no ones there so we make contact and a few minutes later some joker fires up on top of us with a ssb qso. We chose the 21 Mhz cw novice band so that we wouldn't get this kind of thing, thought the segment was cw only. It's quite disappointing to see this happening to the bands.

At 12:04 PM 6/5/00 -0500, you wrote:

>They're on 21 MHz too, I think. I observed quite a lot of phone
>traffic this weekend around 21.158 (FISTS slow speed frequency)
>and almost no CW. Language did not seem to be English, but I'm
>not sure I figured out what modulation type they were. I tried to
>tune them in SSB, AM, and FM but never got a clear reception.

>

>-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>

> KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg

> QRP-L #2124 <http://www.qsl.net/ka9nzi/>

>

>

>

>

--

```
  /__ )  _/_ It is a capital mistake to theorise before one has data.  
 /--/ __ / Insensibly one begins to twist facts to suit theories,  
/ (/_ (/_<__ Instead of theories to suit facts.
```

-- Sherlock Holmes, "A Scandal in Bohemia"

Arthur W. Neilson III, WH7N

Bank of Hawaii Tech Support

<http://www.pilikia.hi.net>

art@pilikia.hi.net, aneilson@boh.com, wh7n@arrl.net

Date: Mon, 5 Jun 2000 13:16:21 -0600

From: "Francis Callahan" <colcal@srv.net>

To: <QRP-L@Lehigh.edu>

Subject: [71930] Swap/trade palomar meter

Message-ID: <001101bfcf22\$89bd8580\$7adf070c@callahan>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I am looking to swap a Palomar model M2287 SWR/Power meter with 20 wt 200 wt
2000wt ranges cosmetic 10 perfect working order with manual. thanks 72 Cal
KF7ET or 208 357-7431

Date: Mon, 5 Jun 2000 13:19:23 -0600

From: "Francis Callahan" <colcal@srv.net>

To: <QRP-L@Lehigh.edu>

Subject: [71931] Swap/Trade Palomar meter

Message-ID: <001f01bfcf22\$f5cf3b60\$7adf070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Model number should be M827 and looking for QRP stuff KF7ET Cal

Date: Mon, 05 Jun 2000 13:22:39 -0600
From: Pat Byers <pbyers@rttinc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [71932] FS: Heathkit Tunnel Dipper HM-10A
Message-ID: <4.3.2.7.2.20000605130019.00b05cb0@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I have a Heathkit Tunnel Dipper HM-10A for sale. I believe the model HM-10 was Heathkit's first solid state dipper and was introduced in the late 1960s. The HM-10A was an update sold from around 1969 into the mid-1970s. The Tunnel Dipper is an interesting piece of test equipment that uses a tunnel diode (avalanche diode) in the oscillator and is powered by a single AA cell. This one works like new and comes with a complete set of coils.

I built this example myself back when I was in school and it's complete and in good shape except for the foam that held the coils inside the top lid. Unfortunately, the foam rotted away but it shouldn't be difficult to cut a new piece.

For those who don't know, using these dippers as test equipment is very challenging (Perfect for QRPers?!) because the Sensitivity control needs to be readjusted as the instrument is tuned through it's range and setting this control is very touchy. I often thought a multi-turn pot might make it more useful but I never got around to trying one.

I have no idea if the Tunnel Dipper is of interest to collectors but it's an interesting example of solid state gear of that era. In any event, mine is in need of a new home so I'm open to offers.

73,

Pat Byers VE6AAN
Lacombe, AB

Date: Mon, 05 Jun 2000 15:28:25 -0400
From: "S. Bryan Williams" <sbw1@enter.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [71933] Where to get started
Message-ID: <393BFF59.47C45E19@enter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello,

I am a new ham, and I am very interested in homebrewing QRP transceivers. Unfortunately, I have very limited electronic knowledge. Can any suggest a good beginner's starting point for me, both in reading or study material, as well as a good transceiver kit (or a transmitter and receiver combo) to build as my first attempt?

Thank you in advance for any help and advice.

Bryan Williams
KB3EVX
sbw1@enter.net

Date: Mon, 5 Jun 2000 12:33:13 -0700
From: Andreas Junge <andreas@OpenGrid.Com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [71934] RE: IC706/FT100/DX70TH current?
Message-ID: <E5759E504187D311B0CF00C04F60ADCD2C72E2@galaxy.opengrid.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

> Haven't notice that problem on my 706MKIIG. Does it make a
> difference which
> version of the 706? I run my camping, and at home. The
> battery while camping
> gets down below 13V quite often.
> Jim

I had a problem when I fed my 706 MK II from Cigarette lighter connector. The voltage drop was too high and the rig sounded really bad on the air. I guess that is what happening in your case.

Andreas, N6NU
Menlo Park

thanks

[illegible]

baltimoremd@baltimoremd.com

Thom LaCosta K3HRN Webmaster

<http://www.baltimoremd.com/>

Baltimore's Home Page

<http://www.baltimorehon.com>

Home of the Baltimore Lexicon

<http://www.min.net/~thom/>

Home of the Drake Mailing List

Date: Mon, 5 Jun 2000 16:25:36 -0400

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <sbw1@enter.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [71937] Re: Where to get started

Message-ID: <016001bf2c3fc13300\$2101a8c0@insydesw.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Well....

I know people who claim to have built a K2 as their first kit....

But you want to remain sane!

Don't get me wrong, I LOVE my K2, but it's not really for beginners.

I would look at stuff like RadioKit or Ramsey Electronics. Build a couple of their kits first. Ramsey, Vectronics, and others make some simple receiver kits that I think a novice could build if they were careful and followed directions.

But you mentioned limited electronic knowledge. That's great that you want to learn. However, I think you might do better by just starting to buy kits in general. Build them, see how they work, and how they don't! You'll probably want to get 'kit building' skills as well. With that in mind, I'd buy 'simple' kits at a flea market, or from Ramsey or Vectronics first. Stuff like a color organ (always a good starter kit!), flashey things, etc. Hmm, one good kit is the IR extender at Ramsey. THAT is a good starter, and useful to play with. It's essentially two pieces. One takes IR and makes audio, the other takes audio and makes IR. So you can use it to put the IR to audio in one room, take wires to the other room, then go back to IR. It's great for 'extending' a remote control. Or the other way, audio to IR, then aim it across the room, then back to audio. Neat to talk over a light beam. Go to a gun store and find a cheap rifle scope, and see how far you can talk!!

I'd also check out local HAM clubs. The club I belong to (F.A.R.A.) has a 'kit' night, where they actually sponsor a kit. People can come in, 'buy into' the kit, and then everyone builds it. See what's offered at the clubs in your area.

Once you have the basic skill, then tackle something like a single band transmitter for CW. That's gotta be simplest thing in the world of that type to build. But if you don't have receiver already... How do you know if it works? So buy a receiver kit for a single band.

If you are one of those people who are superbly organized, and will follow directions EXACTLY, then you might be able to tackle a more complex kit. But I'd make sure your soldering skills are up to snuff first. Risking a \$600 K2 isn't where you learn!

And I was making an assumption that you would want to get on HF.

There are also kits for VFH and UHF. But there, soldering skills are going to be even more important! I've built some RAMSEY transceivers and had a blast!!

Bottom line? We can all make recommendations to you, but we would really need to know more about you first. ESPECIALLY your skills at building. And not just soldering. Mechanical skills as well. And of course your 'interest'. You don't want to end up with a kit you don't care about, right?

Mike

> Hello,
>
> I am a new ham, and I am very interested in homebrewing QRP
> transceivers. Unfortunately, I have very limited electronic
knowledge.
> Can any suggest a good beginner's starting point for me, both in
reading
> or study material, as well as a good transceiver kit (or a transmitter
> and receiver combo) to build as my first attempt?
>
> Thank you in advance for any help and advice.
>
> Bryan Williams
> KB3EVX
> sbw1@enter.net
>

>
>

Date: Mon, 5 Jun 2000 16:16:42 -0400
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: <qrp-1@Lehigh.EDU>
Subject: [71938] Before you yell about interference
Message-ID: <000701bfcf2a\$f76c28e0\$0201a8c0@mw.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It is possible you missed a DX opportunity. Please see
following band plans for the three regions.

<http://www.iaru-r2.org/p11e.htm>

73,
Chuck AA8VS
MI-QRP #M1212
QTH Canton, MI

Date: Mon, 5 Jun 2000 13:24:44 -0700
From: "Steve Thompson" <steve@xcvr.com>
To: <qrp-1@lehigh.edu>
Subject: [71939] Re: Where to get started
Message-ID: <003601bfcf2c\$3032ced0\$0a72b6c6@steve>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bryan -

After developing some basic soldering skills and kit-building skills (per
Mike Yetzko's suggestion), a good place to start might also be with the
"Elmer 101" program ...

<http://www.qsl.net/kf4trd/faq.html>

73,

Steve - N7TX

<http://www.xcvt.com>

K2#1271 - QRP-L#259 - FISTS#3467 - SOC#372

Bryan said:

> I am a new ham, and I am very interested in homebrewing QRP
> transceivers. Unfortunately, I have very limited electronic knowledge.
> Can any suggest a good beginner's starting point for me, both in reading
> or study material, as well as a good transceiver kit (or a transmitter
> and receiver combo) to build as my first attempt?

Date: Mon, 5 Jun 2000 13:26:44 -0700 (PDT)
From: Curt Milton <wb8yyy@yahoo.com>
To: brad.mugleston@gwl.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [71940] Re: New rig for portable operation
Message-ID: <20000605202644.26478.qmail@web2001.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Brad,

99% of the time there is no CW activity on 2m. but maybe we should make more use of this band to train folk, since there is less QRN and QRM. when 10m is open, you can work the world with a couple watts and of course a much smaller dipole than 40m you could consider 30m or 20m ... you would almost need a couple hours operating time to justify putting up a temporary dipole - but folk do use simpler antennas. I worked someone who was camping out at Dayton on 30 meters - he was using a mobile - probably a whip and 50-100 watts. i could have worked him if he were using 5 watts! I was running 0.4 watts into a dipole so this would be about the same as 5 watts into a whip. Portable operating can be done - you just have to establish the parameters.

Curt WB8YYY

--- "Mugleston, Brad" <brad.mugleston@gwl.com> wrote:

> I was sitting the other day between events while
> watching one of my kids do
> something and thought it would be great to have a
> small CW rig that I could
> take with me and not need a 66 foot dipole to
> operate.
>
> Does anyone make (I would prefer a kit) a 2 meter CW
> rig, kind of like an HT
> that I could take out to the park and use without
> all the fuss of trying to
> get an antenna in the air?
>
> Then if I built it would anyone be there?
>
> de KI00T, Brad

Do You Yahoo!?

Yahoo! Photos -- now, 100 FREE prints!

<http://photos.yahoo.com>

Date: Thu, 01 Jun 2000 16:11:42 -0400
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: QRP-L Discussion <qrp-l@Lehigh.EDU>
Subject: [71941] MI QRP Net
Message-ID: <3936C37E.315FCB5@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We had a great net last Tuesday night. The band was fair with some static from a local storm that was moving into the area. We had six check ins:

W3BBO	Bob
N8KV	Roger
WK8S	Pete
WB8ZOM	Don
K8NWD	Tim
WB8RCR	?

It was cool the way the net shamed Roger into going from 60 watts QRO to 5 watts QRP. When he did his signal dropped from S9 to S7. WB8CRC was heard way down in the noise. I gave him a 229 but that was at the QSB peaks. Thanks everyone for checking in.

The Michigan QRP Club QRP net meets Tuesday nights at 9:00 PM which is 0100 UTC Wednesdays. All check ins are welcome.

Ed AB8DF Net Control

Date: Mon, 5 Jun 2000 14:36:08 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: <sbw1@enter.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [71942] Re: Where to get started
Message-ID: <00aa01bf2d5b4fcaf40\$c8891004@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bryan:

There are two good choices to meet your needs.

(1) An SW+ series from Small Wonder Labs and the Elmer 101 material.

For more info on the SW+ rig go to <http://www.smallwonderlabs.com> and click the "SW+ Series link

The Elmer 101 info is a set of exercises to guide you through the building of the SW+, and more important teach you how it works. The material is available on a website: <http://www.qsl.net/kf4trd/faq.html> and has also been published in a book by Paul Harden, NA5N, sorry I don't have details of how to obtain it. But Paul is a QRP-L member, hopefully he will respond to your post.

(2) The NorCal 40A from Wilderness Radio, <http://www.fix.net/jparker/wild.html>, and "The Electronics of Radio", David B. Rutledge, ISBN 521 64136 6 [paperback]

The NorCal 40A is the classic QRP 40m rig designed by Wayne Burdick or Elecraft K2 fame. The book is a pragmatic college text to teach electronics in the context of radio. The NorCal for is the "lab project" for the book.

Either one you choose is a winner, you won't go wrong.

Other books that may interest you:

ARRL Handbook, ARRL, www.arrl.org

W1FB's QRP Notebook; Doug Demaw (SK), W1FB, ARRL; ISBN 0-87259-365-7

Solid State Design for The Radio Amateur; Wes Hayward, W7ZOI; Doug Demaw, W1FB; ARRL; ISBN ???

Data Book for Homebrewers and QRPers; Paul Harden, NA5N; Quicksilver Printing; ISBN 0-913945-57-9

Another good place to check for technical info is the ARRL Technical Information Service: <http://www.arrl.org/tis>

That should get you going, and other too will have some good suggestion.

Good luck, have fun, and welcome!

72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----

From: S. Bryan Williams <sbw1@enter.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Monday, June 05, 2000 1:28 PM

Subject: Where to get started

> Hello,

>

> I am a new ham, and I am very interested in homebrewing QRP
> transceivers. Unfortunately, I have very limited electronic
knowledge.

> Can any suggest a good beginner's starting point for me, both in
reading

> or study material, as well as a good transceiver kit (or a
transmitter

> and receiver combo) to build as my first attempt?

>

Date: Mon, 5 Jun 2000 13:41:32 -0700 (PDT)

From: "ElectronicsUSA.com" <wpc@west.net>

To: qrp-1@Lehigh.EDU
Subject: [71943] Re: Trail/Traveler Straight Key?
Message-ID: <20000605204132.35D1E24B6A@acme.sb.west.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>For a
>cheaper, 1 oz. key, check out the Whiterook keys at:
>
><http://electronicsusa.com/mk.html>

>Their only drawback is also their strength: they are very
>light. You need to hold them in one hand and operate them with the other,
>or else use a Velcro strap or something to keep them in place.
=====

Thanks for the mention! For those of you who do not know this, we are now offering a product to help solve the "lightweight problem":

Model MK-36 Velcro Mini-Key Leg Strap

Price: \$7.50

Webpage: <http://ElectronicsUSA.com/mk36.html>

It is compatible with our Pocket Mini-Key Models MK-22, MK-32, MK-33, and MK-44 *ONLY*.

We will also introduce a magnetic base in the near future, so stay tuned.

Hope this helps and thanks to everyone for your interest in my products.

72, -Jack WA6KY0

Jack Roblin
ElectronicsUSA.com / Whiterook Products Co.
<http://ElectronicsUSA.com>

Date: Mon, 05 Jun 2000 16:46:09 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [71944] Re: Where to get started
Message-ID: <008701bfcf2f\$14af5270\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

> Don't get me wrong, I LOVE my K2, but it's not really for beginners.
>
> I would look at stuff like RadioKit or Ramsey Electronics. Build a
> couple of their kits first. Ramsey, Vectronics, and others make
> some simple receiver kits that I think a novice could build if they
> were careful and followed directions.

Mike,

Is Radio Kit still around? (I didn't have a lot of luck locating them a few months ago. Do you know something I don't?)

> I'd also check out local HAM clubs. The club I belong to (F.A.R.A.)
> has a 'kit' night, where they actually sponsor a kit. People can
> come in, 'buy into' the kit, and then everyone builds it. See what's
> offered at the clubs in your area.

Even just finding a couple of kindred spirits who are willing to share interest, enthusiasm, and test equipment would be a big benefit. I was in a similar situation a few years ago. A few guys in the club were getting into kit building. One guy had a building all his own for a shack, and he provided meeting & bench space (since the regular club meetings were held at a borrowed facility). Another guy had a portable scope, dip meter, and other test equipment he'd bring over. I provided the encouragement and the occasional soldering lesson. (Not to mention help with winding toroids. That usually came after the desoldering lesson.)

> Once you have the basic skill, then tackle something like a single
> band transmitter for CW. That's gotta be simplest thing in the world
> of that type to build. But if you don't have receiver already... How
> do
> you know if it works? So buy a receiver kit for a single band.

A little caution here. A receiver is just too useful a piece of test equipment to just buy one as a kit and build it. If the builder has access to a way of calibrating the frequency, it's okay, but I've built several receivers (not all of them from kits, I will admit) and had no way of knowing they were on frequency. IMHO, at least the first receiver for a beginner should be properly calibrated.

> If you are one of those people who are superbly organized, and will
> follow directions EXACTLY, then you might be able to tackle a more
> complex kit. But I'd make sure your soldering skills are up to snuff
> first. Risking a \$600 K2 isn't where you learn!

I'll go along with that!

> Bottom line? We can all make recommendations to you, but we would
> really need to know more about you first. ESPECIALLY your skills
> at building. And not just soldering. Mechanical skills as well.

And available equipment! A basic soldering iron is a must. For debugging, a multimeter (digital or analog, both have their uses) and a brain are the minimum. If a frequency counter or signal generator are not available, shy away from kits that require them for alignment.

> And
> of
> course your 'interest'. You don't want to end up with a kit you don't
> care about, right?

That's always been my motivation for learning a new technology - find something I want to do, then find a new (to me) tool that makes it possible. It's how I learned to write software, and how I learned to solder. It's also why I'm learning to use SPICE.

Good advice, Mike - keeps it real, and fun.

Dave

Date: Mon, 5 Jun 2000 16:45:55 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [71945] DK9SO MAST IN FIELD
Message-ID: <c.6130b96.266d6b83@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I am curious to find out if any of the backpackers have utilized the 10M DK9SO fiberglass mast in the field (weighs about 2 pounds) and your impressions. Also what innovative mast supports did you utilize?

ALAN KB7MBI

(dang this KB7MBI fella sure is asking a lot of questions--smile)

Date: Mon, 5 Jun 2000 14:53:32 -0600

From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: Curt Milton <wb8yyy@yahoo.com>
Cc: qrp-1 <qrp-1@lehigh.edu>
Subject: [71946] RE: New rig for portable operation
Message-ID: <F9645092A142D3118CBD00805F15292E097B5588@eb-mail1.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain

The antenna is the problem - I've worked all over with a wire up a tree but sitting in the park with a 30 to 40 minute unexpected break doesn't give you much time to setup/take down an antenna.

I think I was just dreaming when I thought this up - even if I had the rig I probably wouldn't find anyone to talk to UNLESS we put together a neat little kit and sold a boat load of them - then when I went to the park you all would be waiting to talk to me.

I've got a 30M whip for the truck and can slip sway to do that but it's not quite the same as being able to sit in the grass, drink in one hand, key in the other chatting away with someone in the next country.

Maybe next year I'll build a 30M 1/4 wave vertical that can be torn down and transported to where ever I go.

Thanks

de KI00T, Brad

> -----Original Message-----

> From: Curt Milton [SMTP:wb8yyy@yahoo.com]

> Sent: Monday, June 05, 2000 2:27 PM

> To: brad.mugleston@gwl.com; Low Power Amateur Radio Discussion

> Subject: Re: New rig for portable operation

>

> Brad,

>

> 99% of the time there is no CW activity on 2m. but
> maybe we should make more use of this band to train
> folk, since there is less QRN and QRM. when 10m is
> open, you can work the world with a couple watts and
> of course a much smaller dipole than 40m you
> could condider 30m or 20m ... you would almost need a
> couple hours operating time to justify putting up a
> temporary dipole - but folk do use simpler antennas.
> I worked someone who was camping out at Dayton on 30
> meters - he was using a mobile - probably a whip and
> 50-100 watts. i could have worked him if he were
> using 5 watts! I was running 0.4 watts into a dipole

> so this would be about the same as 5 watts into a
> whip. Portable operating can be done - you just have
> to establish the parameters.
>
> Curt WB8YYY
>
> --- "Mugleston, Brad" <brad.mugleston@gwl.com> wrote:
> > I was sitting the other day between events while
> > watching one of my kids do
> > something and thought it would be great to have a
> > small CW rig that I could
> > take with me and not need a 66 foot dipole to
> > operate.
> >
> > Does anyone make (I would prefer a kit) a 2 meter CW
> > rig, kind of like an HT
> > that I could take out to the park and use without
> > all the fuss of trying to
> > get an antenna in the air?
> >
> > Then if I built it would anyone be there?
> >
> > de KI00T, Brad
>
>
>
> -----
> Do You Yahoo!?
> Yahoo! Photos -- now, 100 FREE prints!
> <http://photos.yahoo.com>

Date: Mon, 05 Jun 2000 13:54:53 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [71947] Re: DK9SO MAST IN FIELD
Message-ID: <393C139D.C14FE952@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ARDUJENSKI@aol.com wrote:

>
> I am curious to find out if any of the backpackers have utilized the 10M
> DK9SO fiberglass mast in the field (weighs about 2 pounds) and your

> impressions. Also what innovative mast supports did you utilize?
>
>

I have one, but it exceeds my spec for "backpackable". Trees I do not have to carry!

Phil

Date: Mon, 05 Jun 2000 17:10:09 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [71948] Re: New rig for portable operation
Message-ID: <009e01bf32\$6f0a3e80\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> The antenna is the problem - I've worked all over with a wire up a tree
but
> sitting in the park with a 30 to 40 minute unexpected break doesn't give
you
> much time to setup/take down an antenna.
>
> I think I was just dreaming when I thought this up - even if I had the rig
I
> probably wouldn't find anyone to talk to UNLESS we put together a neat
> little kit and sold a boat load of them - then when I went to the park you
> all would be waiting to talk to me.
>
> I've got a 30M whip for the truck and can slip sway to do that but it's
not
> quite the same as being able to sit in the grass, drink in one hand, key
in
> the other chatting away with someone in the next country.
>
> Maybe next year I'll build a 30M 1/4 wave vertical that can be torn down
and
> transported to where ever I go.

Brad,

How about a little satellite station? A small umbrella antenna, a twinlead
J-pole, and a Radio Flyer wagon for the battery pack...

On a -slightly- more serious note, what ever happened to the little handheld

CW/SSB rigs somebody was selling a few years ago - I think they were called "DX-Handy" or something like that. Seems to me there was a 10M and a 6M version.

Dave

Date: Mon, 05 Jun 2000 14:09:37 -0700
From: Bruce Grubbs <n7ceeqrp@earthlink.net>
To: ARDUJENSKI@aol.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [71949] Re: DK9SO MAST IN FIELD
Message-ID: <4.3.1.0.20000605140829.00b55950@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Alan,
Keep an eye on the ARS Sojourner for a short article I wrote on using the DK9SQ mast for a multiband vertical. It should be out by the end of the week, at www.natworld.com/ars

72
Bruce N7CEE

Date: Mon, 05 Jun 2000 14:23:03 PDT
From: "Doug Hendricks" <ki6ds@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [71950] "Where to get Started" or What kit to build.
Message-ID: <20000605212303.80689.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Bryan and other newcomers. I wrote a complete series on what kit to build, a primer on how to get started building. It started with the VE3DNL and finished with the K2. There were 8 parts to the article I believe. Several asked to put it on websites, and I imagine it is up there somewhere. If someone on the list has it on their website, would you please post to the list. Also, it should be in the archives. 72, Doug, KI6DS

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Mon, 5 Jun 2000 21:34:38 +0100
From: wd3p@juno.com
To: ARDUJENSKI@aol.com, qrp-1@Lehigh.EDU
Subject: [71951] Re: SOME BATTERY INFO
Message-ID: <20000605.213852.-453233.3.wd3p@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

On Mon, 5 Jun 2000 12:52:24 EDT ARDUJENSKI@aol.com writes:
> Although the site is for bicycle light batteries much of the info is
> applicable to QRP OPS:
> <http://www.fan.nb.ca/~aa126/bikecurrent-FAQ.html>
>
> Alan KB7MBI

This is a good site. It is also worth looking at some of the manufacturer sites as well. They all have a wealth of information.

I did some comparisons of stuff I've downloaded from some of those sites over the last few months. One of the basic facts mentioned almost everywhere is the heavier the current draw from a battery the lower the rating of battery is. So when comparing batteries you have to know how your application draws current. As a simple example Power Sonic rates their 1.2 AH battery at 1.2 AH when the current draw is 60mA but they rate it as only 1.0 AH when the current is 208 mA.. You loose 20 percent of the capacity. Frequently we hear that the AA alkaline batteries are rated at 2850 mA. But that rating applies to a application where the resistance is 43 ohms AND you run the battery down to 0.8 volts. That translates into a current of about 35 mA on a new battery. Most of our QRP rigs draw a lot more than 35 mA and we don't use the batteries down to 0.8 volts. Even with 10 AA cells this gives a final voltage of 8 volts for the battery back. So the real capacity for the QRP rigs is a lot less than 2850 mA.

Each type of battery is designed for different use. The AA alkaline rating assume something like an 100 hr life as low current draw relative to their capacity. The Sealed Lead Acid assume a 20 life at a higher current. The NiMh assume a 5 hr life as a still higher relative current draw.

Considering we started with a discussion of batteries for use on the trail I looked at the AA 10 pack, the NiMh 10 pack, and a sealed lead acid battery. From AE5X's site I see current draws of 20 mA Rx, 200 mA Tx for the SST rigs and current draws of about 40 mA Rx and 400 mA Tx for

the DSW rigs. So for comparison purposes I assumed currents of 100 mA and 200 mA. This allows one to compare both rigs and in my mind assumes at worst a heavy use of almost 50 percent transmit time.

Under this model and doing a bit of interpolation and crude reading from some of the performance curves. I get the hours of usage in the following table:

	Alkaline	NiMh	Lead Acid
Official rating	2850 mA	1550 mA	1200 mA - Not a good measure as currents and final voltage vary
100 mA	17 hr	15 hr	11 hr
200 mA	6 hr	8 hr	5 hr
Weight(grams)	250	250	550

This seems to say the Alkaline and NiMh are a tossup. This makes the alkaline seem a bit better than they really are. The ability to recharge the NiMh is a real plus, though they do cost more. In the long run the NiMh should be the less expensive choice. The Sealed Lead Acid Battery is the loser here. It does not last as long plus they weigh twice as much as the other choices.

Now that is the theory, the real question is how they perform in the field. I may get a chance to test that out at field day.

Hope some of you find this useful, 73/72 de
Larry.....WD3P in MD

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Mon, 05 Jun 2000 14:55:00 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: wd3p@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [71952] Re: SOME BATTERY INFO
Message-ID: <393C21B4.64F72AFE@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

wd3p@juno.com wrote:

>
> Considering we started with a discussion of batteries for use on the
> trail I looked at the AA 10 pack, the NiMh 10 pack, and a sealed lead
> acid battery. From AE5X's site I see current draws of 20 mA Rx, 200 mA
> Tx for the SST rigs and current draws of about 40 mA Rx and 400 mA Tx for
> the DSW rigs. So for comparison purposes I assumed currents of 100 mA and
> 200 mA. This allows one to compare both rigs and in my mind assumes at
> worst a heavy use of almost 50 percent transmit time.

>
> Under this model and doing a bit of interpolation and crude reading from
> some of the performance curves. I get the hours of usage in the following
> table:

>
> Alkaline NiMh Lead Acid
>
> Official rating 2850 mA 1550 mA 1200 mA - Not a good
> measure as currents and final voltage vary
>
> 100 mA 17 hr 15 hr 11 hr
>
> 200 mA 6 hr 8 hr 5 hr
>
> Weight(grams) 250 250 550

>
> This seems to say the Alkaline and NiMh are a tossup. This makes the
> alkaline seem a bit better than they really are. The ability to recharge
> the NiMh is a real plus, though they do cost more. In the long run the
> NiMh should be the less expensive choice. The Sealed Lead Acid Battery is
> the loser here. It does not last as long plus they weigh twice as much as
> the other choices.

>

Interesting info, Larry. I like the MAHA 1550 mAH NiMH batteries. I use them in my digital camera and they seem to far outlast the alkalines for that application -- the conventional digicam wisdom, it seems. And they can be recharged several hundred times, making them definitely more cost effective. I also have a 10-pack to use for backpacking qrp (DSW-20 and NC-40A); but I don't really have any good data on how long they last under recorded/controlled conditions.

Phil W70X

Date: Mon, 05 Jun 2000 14:59:21 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: ki6ds@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [71953] Re: "Where to get Started" or What kit to build.
Message-ID: <393C22B9.264FF3AD@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doug Hendricks wrote:

>
> Bryan and other newcomers. I wrote a complete series on what kit to build,
> a primer on how to get started building. It started with the VE3DNL and
> finished with the K2. There were 8 parts to the article I believe. Several
> asked to put it on websites, and I imagine it is up there somewhere. If
> someone on the list has it on their website, would you please post to the
> list. Also, it should be in the archives. 72, Doug, KI6DS
>

Yes! That was an excellent series of articles and very much to the point of this thread.

Good catch, Doug.

Phil

Date: Mon, 5 Jun 2000 15:02:06 -0800
From: Anthony Felino <anthony@pacinfosb.com>
To: qrp-1@lehigh.edu
Subject: [71954] propagation
Message-ID: <Chameleon.960242687.anthony@anthony-400>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=ISO-8859-1

Does anybody know of a source of propagation estimates for domestic contacts? The charts I see are for DX contacts, but I'm trying to determine the best times and bands for contact with certain states I'm looking for.
Thanks & 72, WN6Q

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com
telephone: (805) 730 1565, x25

Date: Mon, 5 Jun 2000 18:23:38 EDT
From: ADRAMIS@aol.com
To: Qrp-L@lehigh.edu
Subject: [71955] F.S.(Too many QRP radios)
Message-ID: <b0.606cc5d.266d826a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have the following Items for sale,

- 1) MFJ 9420 20 meter ssb travel radio with MFJ-415 CW adapter and microphone
Excellent condition \$150.00.
- 2) Radio Shack HTX-100 ... 10 meter SSB-CW Transceiver box and manual
\$100.00 Excellent condition never used mobile.
Please contact me direct
Angelo Drammissi K3YUN
Adramis @aol.com

End of QRP-L Digest 1843

